

Converting Colors

XYZ(80.2591, 100.0000,
75.0168)

Have a look what the booklet for
XYZ(80.2591, 100.0000, 75.0168)
contains.

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Color

**XYZ(75.4641, 90.6730,
73.1988)**

Conversions

Conversions Part 1

Format	Color
Hex	D8FFD0
RGB	216, 255, 208
RGB Percent	85%, 100%, 82%
CMY	0.1529, 0.0000, 0.1843
CMYK	0.15, 0.00, 0.18, 0.00
HSL	110°, 100%, 91%
HSV	110°, 18%, 100%
XYZ	75.4641, 90.6730, 73.1988
YIQ	237.9810, -8.1570, -22.8850

Conversions

Conversions Part 2

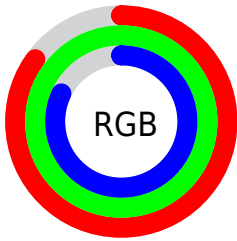
Format	Color
R_{YB}	208, 255, 247
Decimal	14221264
CIE _{Lab}	96.28, -20.96, 18.37
CIE _{LCh}	96, 27.870, 138.756
Yxy	90.6730, 0.3153, 0.3789
Android (android.graphics.Color)	4292411344 (0xFFD8FFD0)
YUV	237.9810, -14.7806, -19.2773
Hunter-Lab	95.2224, -25.1772, 21.0786

Details

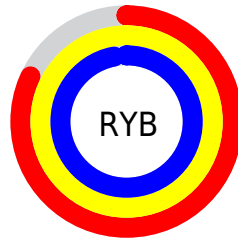
The XYZ color **75.4641, 90.6730, 73.1988** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.9645, 72.1071, 104.3639**, and the grayscale version is **81.3682, 85.6057, 93.2246**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.7248, 50.2983, 38.1340** is the 20% darker color. If you saturate the color by 10%, you get **66.7203, 86.4992, 57.7080**, and if you desaturate by 10%, it is **85.5187, 95.4642, 91.3866**.

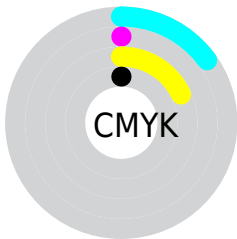
Distribution



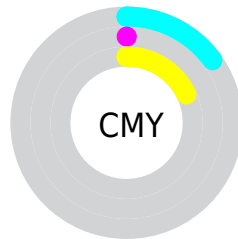
- Red (85%)
- Green (100%)
- Blue (82%)



- Red (82%)
- Yellow (100%)
- Blue (97%)



- Cyan (15%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.4641, 90.6730, 73.1988 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 75.4641, 90.6730, 73.1988 by changing the saturation by 10% instead.


 75.4641, 90.6730,
73.1988

 75.4641, 90.6730,
73.1988


468.4839,
530.2177, 490.7928

 56.2887, 68.5390,
53.6457


125.9535,
148.2729, 125.4829

 40.6723, 50.3363,
37.9272


157.9982,
184.5075, 159.0511

 28.2497, 35.6807,
25.6248


195.0634,
226.2111, 198.1279

 18.6554, 24.1877,
16.3199

237.5144,
273.7681, 243.1321

 11.5241, 15.4729,
9.5940

285.7166,
327.5628, 294.4822

 6.4904, 9.1520,
5.0286

340.0353,

 3.1889, 4.8404,

387.9797, 352.5966

2.2050

400.8360,
455.4032, 417.8940

■ 1.2545, 2.1539,
0.6773

■ 0.1487, 0.6947,
0.0000

■ 75.4641, 90.6730,
73.1988

■ 75.4641, 90.6730,
73.1988

■ 66.7203, 86.4992,
57.7080

■ 85.5187, 95.4642,
91.3866

■ 59.2307, 82.9166,
44.7820

95.0500, 100.0000,
108.9000

■ 52.9377, 79.8982,
34.2834

■ 47.7779, 77.4149,
26.0607

■ 43.6822, 75.4346,
19.9451

■ 40.5735, 73.9218,
15.7446

■ 38.3638, 72.8359,
13.2320

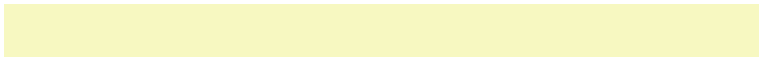
■ 36.9415, 72.1265,
12.0897

■ 36.7732, 72.0423,
11.9674

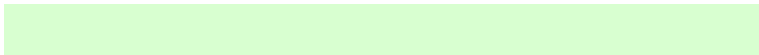
Harmonies

Analogous

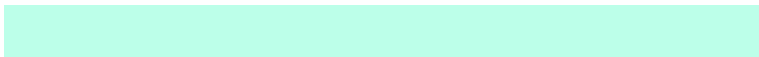
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4824, 90.6730, 63.6040



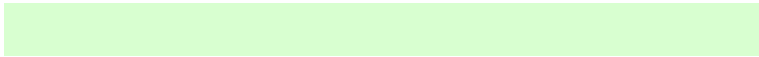
75.4641, 90.6730, 73.1988



72.3875, 90.6730, 90.6442

Triad

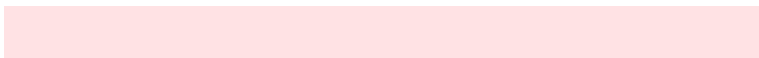
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.4641, 90.6730, 73.1988



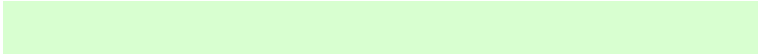
83.3113, 90.6730, 146.7357



101.0636, 90.6730, 85.6409

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



75.4641, 90.6730, 73.1988



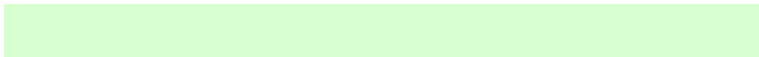
78.9645, 72.1071, 104.3639

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.6262, 90.6730, 107.2775



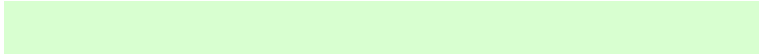
75.4641, 90.6730, 73.1988



91.0588, 90.6730, 144.8603

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



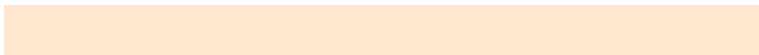
75.4641, 90.6730, 73.1988



76.7338, 90.6730, 134.3874



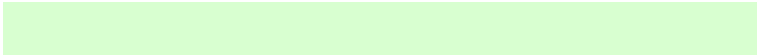
97.8694, 90.6730, 129.5929



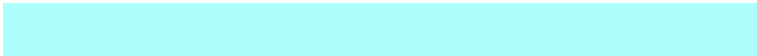
96.3755, 90.6730, 70.0097

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.4641, 90.6730, 73.1988



72.2877, 90.6730, 105.3625



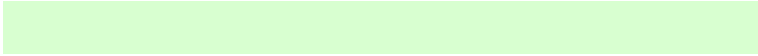
97.8694, 90.6730, 129.5929



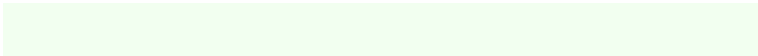
101.7515, 90.6730, 92.3771

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



75.4647, 90.6733, 73.2002



88.1661, 96.7246, 96.2275



85.6980, 91.9594, 72.9091



18.7172, 20.6297, 20.3147



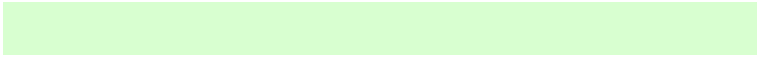
0.0000, 0.0000, 0.0000



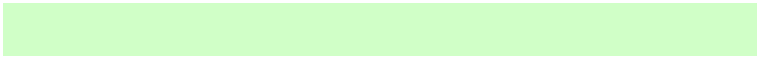
20.3446, 21.4041, 23.3091

Same Dimension

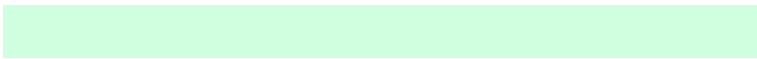
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.4647, 90.6733, 73.2002



72.1959, 89.1139, 67.3675



75.0768, 90.2517, 83.1940



18.0596, 20.3167, 19.1140



19.2983, 37.6867, 6.2571



1.9554, 3.7088, 0.6128

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



78.9645, 72.1071, 104.3639



76.2644, 67.5146, 103.6198



79.5420, 72.6711, 92.3641



18.4714, 18.1347, 22.7768



23.6699, 11.1128, 50.3320



2.3812, 1.1215, 4.9042

Previews

White Background



This preview shows how the XYZ color 75.4641, 90.6730, 73.1988 looks on a white background.

Color Contrast Check

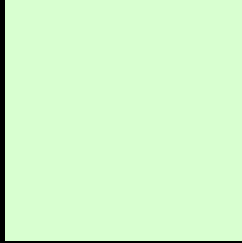
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 75.4641, 90.6730, 73.1988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

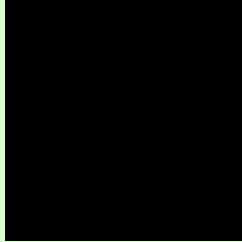
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

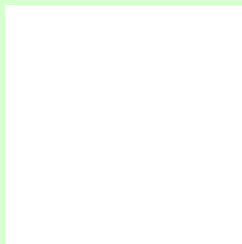
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.4641, 90.6730, 73.1988

Background



This preview shows how black text looks on a background with the XYZ color 75.4641, 90.6730, 73.1988.



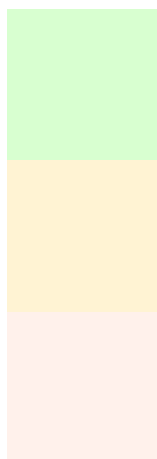
This preview shows how white text looks on a background with the XYZ color 75.4641, 90.6730,

73.1988.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

75.4641, 90.6730, 73.1988

Protanopia

85.0485, 90.0643, 74.5296

Deuteranopia

87.6907, 90.1688, 91.3798



Tritanopia

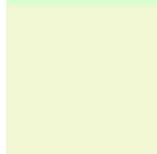
84.9634, 90.1870, 107.5375

Trichromacy



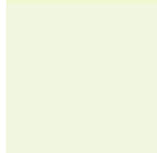
Original Color

75.4641, 90.6730, 73.1988



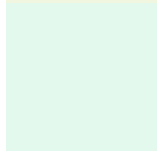
Protanomaly

81.1693, 89.8754, 74.0424



Deuteranomaly

82.8220, 90.0485, 84.2501



Tritanomaly

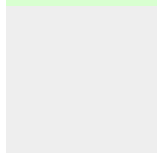
81.3032, 90.4184, 94.0563

Monochromacy



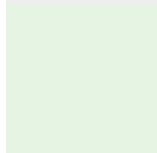
Original Color

75.4641, 90.6730, 73.1988



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

78.8489, 87.0704, 85.3235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.4641, 90.6730, 73.1988 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(216, 255, 208)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 208)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(216, 255, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 208) }
```

Border

The CSS property to change the border of an element to XYZ 75.4641, 90.6730, 73.1988 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 255, 208) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(216, 255, 208) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(216, 255, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 208);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 75.4641, 90.6730, 73.1988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 208) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(216,  
255, 208) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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