

Converting Colors

XYZ(76.3814, 93.4941, 50.0795)

Have a look what the booklet for
XYZ(76.3814, 93.4941, 50.0795)
contains.

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Color

**XYZ(75.2761, 91.0962,
49.6922)**

Conversions

Conversions Part 1

Format	Color
Hex	E6FFA6
RGB	230, 255, 166
RGB Percent	90%, 100%, 65%
CMY	0.0980, 0.0000, 0.3490
CMYK	0.10, 0.00, 0.35, 0.00
HSL	77°, 100%, 83%
HSV	77°, 35%, 100%
XYZ	75.2761, 91.0962, 49.6922
YIQ	237.3790, 13.6690, -32.9790

Conversions

Conversions Part 2

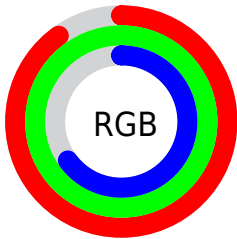
Format	Color
RYB	166, 255, 191
Decimal	15138726
CIELab	96.45, -22.09, 39.90
CIELCh	96, 45.604, 118.976
Yxy	91.0962, 0.3484, 0.4216
Android (android.graphics.Color)	4293328806 (0xFFE6FFA6)
YUV	237.3790, -35.1898, -6.4714
Hunter-Lab	95.4443, -26.2462, 35.9422

Details

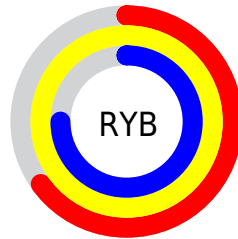
The XYZ color **75.2761, 91.0962, 49.6922** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **53.1731, 45.5700, 100.6011**, and the grayscale version is **81.0431, 85.2637, 92.8521**.

A 20% lighter version of the original color is **90.1848, 98.0539, 83.2803**, and **40.4083, 50.4647, 23.2337** is the 20% darker color. If you saturate the color by 10%, you get **70.9121, 89.0905, 38.4644**, and if you desaturate by 10%, it is **80.1990, 93.3364, 63.3695**.

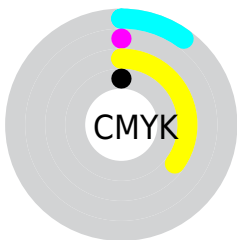
Distribution



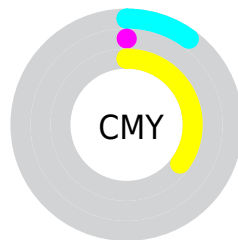
- Red (90%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (75%)



- Cyan (10%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.2761, 91.0962, 49.6922 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 75.2761, 91.0962, 49.6922 by changing the saturation by 10% instead.


 75.2761, 91.0962,
49.6922


 75.2761, 91.0962,
49.6922


467.8486,
531.5903, 402.1616

 56.1341, 68.8902,
34.7994


 125.6889,
148.8601, 91.1103

 40.5479, 50.6223,
23.2261

 157.6905,
185.1868, 118.4726

 28.1521, 35.9081,
14.5537

194.7092,
226.9892, 150.8286

 18.5814, 24.3632,
8.3636

237.1105,
274.6517, 188.5967

 11.4704, 15.6033,
4.2374

285.2598,
328.5587, 232.1956

 6.4538, 9.2439,
1.7565

339.5223,

 3.1662, 4.9006,

389.0945, 282.0436

0.3990

400.2634,
456.6436, 338.5594

■ 1.2422, 2.1891,
0.0000

■ 0.1393, 0.7140,
0.0000

■ 75.2761, 91.0962,
49.6922

■ 75.2761, 91.0962,
49.6922

■ 70.9121, 89.0905,
38.4644

■ 80.1990, 93.3364,
63.3695

■ 67.0775, 87.3072,
29.5371

■ 85.7063, 95.8214,
79.6256

■ 63.7408, 85.7339,
22.7510

■ 91.8228, 98.5613,
98.5854

■ 60.8667, 84.3560,
17.9252

95.0500, 100.0000,
108.9000

■ 58.4138, 83.1571,
14.8487

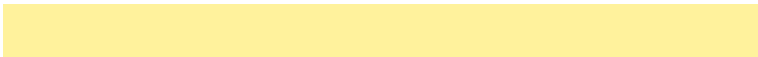
■ 56.3317, 82.1167,
13.2620

■ 55.3766, 81.6327,
12.8380

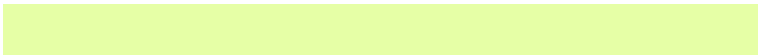
Harmonies

Analogous

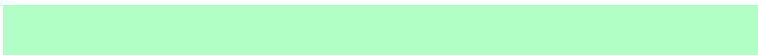
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0218, 91.0962, 44.3744



75.2761, 91.0962, 49.6922



67.2839, 91.0962, 67.3104

Triad

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



75.2761, 91.0962, 49.6922



74.5890, 91.0962, 172.0719



113.3908, 91.0962, 100.4447

Complementary

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



75.2761, 91.0962, 49.6922



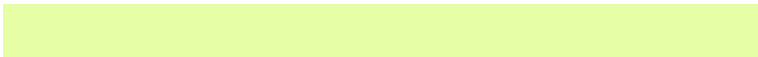
53.1731, 45.5700, 100.6011

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.



109.2618, 91.0962, 139.8130



75.2761, 91.0962, 49.6922



86.1481, 91.0962, 186.9193

Square

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



75.2761, 91.0962, 49.6922



66.9153, 91.0962, 137.1064



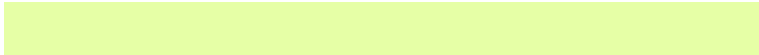
98.9716, 91.0962, 173.8845



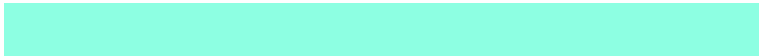
109.7727, 91.0962, 68.9977

Rectangle

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



75.2761, 91.0962, 49.6922



64.7427, 91.0962, 86.3969



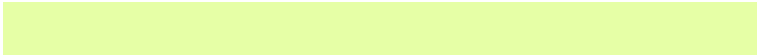
98.9716, 91.0962, 173.8845



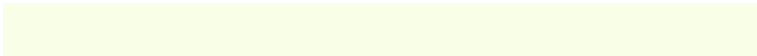
112.8565, 91.0962, 113.1837

Sweetspot

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



75.2764, 91.0963, 49.6935



88.6264, 97.1318, 88.5725



66.4793, 60.7256, 44.2950



18.7872, 20.7084, 18.3946



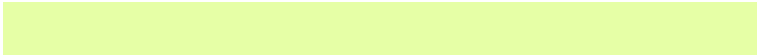
0.0000, 0.0000, 0.0000



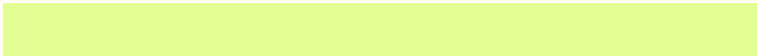
20.3446, 21.4041, 23.3091

Same Dimension

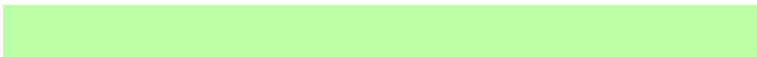
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.2764, 91.0963, 49.6935



72.1223, 89.6489, 41.4782



63.0801, 84.8089, 49.1227



19.0347, 20.8193, 19.1596



29.0886, 42.7338, 6.7153



2.9390, 4.2158, 0.6588

Inverse Universe

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



53.1731, 45.5700, 100.6011



46.9808, 37.8316, 99.4338



65.6952, 52.0254, 101.1871



17.4820, 17.6247, 22.7305



10.9380, 4.5492, 49.7362



1.1660, 0.4950, 4.8474

Previews

White Background



This preview shows how the XYZ color 75.2761, 91.0962, 49.6922 looks on a white background.

Color Contrast Check

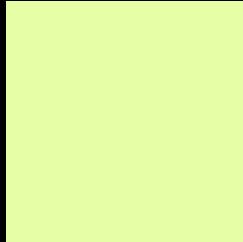
Large Text (above 18pt) WCAG AA × Fail

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 75.2761, 91.0962, 49.6922 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

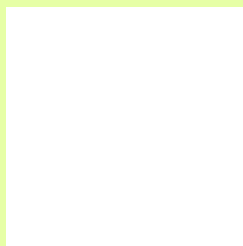
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.2761, 91.0962, 49.6922

Background



This preview shows how black text looks on a background with the XYZ color 75.2761, 91.0962, 49.6922.

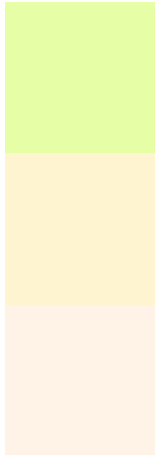


This preview shows how white text looks on a background with the XYZ color 75.2761, 91.0962,

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

75.2761, 91.0962, 49.6922

Protanopia

84.9758, 90.5154, 72.6670

Deuteranopia

87.4159, 90.5338, 88.4688

Tritanopia

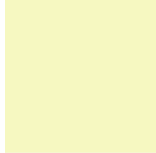
87.3628, 90.9761, 107.5634

Trichromacy



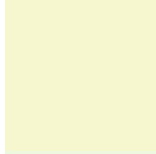
Original Color

75.2761, 91.0962, 49.6922



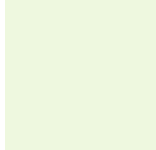
Protanomaly

81.1991, 90.5779, 63.6557



Deuteranomaly

82.5293, 90.6194, 72.1730



Tritanomaly

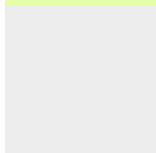
82.1466, 90.6397, 82.9777

Monochromacy



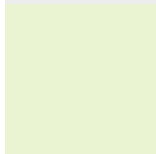
Original Color

75.2761, 91.0962, 49.6922



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.0402, 86.8969, 74.2876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.2761, 91.0962, 49.6922 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(230, 255, 166)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 166)  
}
```

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(230, 255, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 166) }
```

Border

The CSS property to change the border of an element to XYZ 75.2761, 91.0962, 49.6922 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(230, 255, 166) }
```


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

```
.border{ border-color:rgb(230, 255, 166) }
```

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

Here you see how a box with a 4 pixel rgb(230, 255, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 166);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 75.2761, 91.0962, 49.6922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 166) }
```

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

```
.background{ background-color: rgb(230,  
255, 166) }
```

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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