

Converting Colors

XYZ(73.8644, 90.0413, 64.4079)

Have a look what the booklet for
XYZ(73.8644, 90.0413, 64.4079)
contains.

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Color

**XYZ(73.8165, 90.0140,
64.5228)**

Conversions

Conversions Part 1

Format	Color
Hex	D8FFC2
RGB	216, 255, 194
RGB Percent	85%, 100%, 76%
CMY	0.1529, 0.0000, 0.2392
CMYK	0.15, 0.00, 0.24, 0.00
HSL	98°, 100%, 88%
HSV	98°, 24%, 100%
XYZ	73.8165, 90.0140, 64.5228
YIQ	236.3850, -3.6630, -27.2390

Conversions

Conversions Part 2

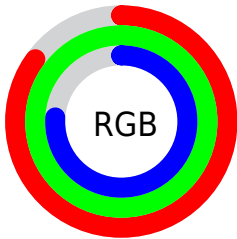
Format	Color
RYB	194, 255, 233
Decimal	14221250
CIELab	96.00, -23.18, 25.12
CIELCh	96, 34.177, 132.695
Yxy	90.0140, 0.3233, 0.3942
Android (android.graphics.Color)	4292411330 (0xFFD8FFC2)
YUV	236.3850, -20.8958, -17.8776
Hunter-Lab	94.8757, -27.1535, 26.0912

Details

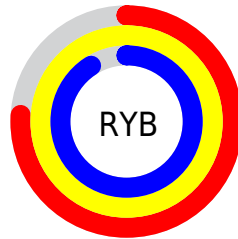
The XYZ color **73.8165, 90.0140, 64.5228** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.9470, 63.1284, 103.0534**, and the grayscale version is **80.1805, 84.3561, 91.8638**.

A 20% lighter version of the original color is **94.4126, 99.7450, 105.5434**, and **39.6256, 49.8587, 32.3461** is the 20% darker color. If you saturate the color by 10%, you get **66.6134, 86.6036, 50.4968**, and if you desaturate by 10%, it is **81.9900, 93.8678, 81.1620**.

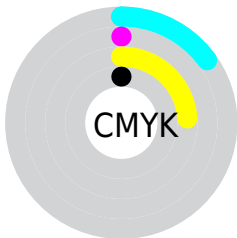
Distribution



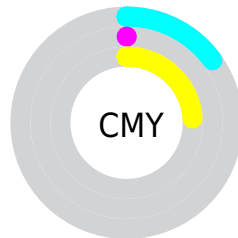
- Red (85%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (91%)



- Cyan (15%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)



- Cyan (15%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.8165, 90.0140, 64.5228 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 73.8165, 90.0140, 64.5228 by changing the saturation by 10% instead.

73.8165, 90.0140,
64.5228

73.8165, 90.0140,
64.5228

462.8999,
528.0764, 459.3343

54.9346, 67.9923,
46.6254

123.6325,
147.3578, 112.9702

39.5830, 49.8914,
32.3874

155.2974,
183.4487, 144.3573

27.3963, 35.3271,
21.3903

191.9540,
224.9981, 181.0779

18.0092, 23.9150,
13.2156

233.9676,
272.3904, 223.5507

11.0563, 15.2706,
7.4447

281.7037,
326.0100, 272.1942

6.1723, 9.0095,
3.6591

335.5275,

2.9918, 4.7474,

386.2412, 327.4270

1.4402

395.8045,
453.4686, 389.6675

■ 1.1494, 2.0998,
0.1728

■ 0.0659, 0.6645,
0.0000

■ 73.8165, 90.0140,
64.5228

■ 73.8165, 90.0140,
64.5228

■ 66.6134, 86.6036,
50.4968

■ 81.9900, 93.8678,
81.1620

■ 60.3404, 83.6189,
38.9473

■ 91.1691, 98.1805,
100.5336

■ 54.9560, 81.0415,
29.7310

95.0500, 100.0000,
108.9000

■ 50.4148, 78.8517,
22.6885

■ 46.6670, 77.0274,
17.6404

■ 43.6559, 75.5443,
14.3786

■ 41.3153, 74.3735,
12.6489

■ 40.1701, 73.7935,
12.1264

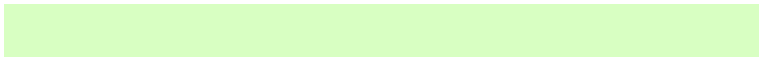
Harmonies

Analogous

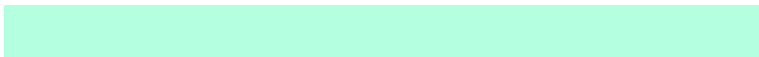
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6243, 90.0140, 55.5047



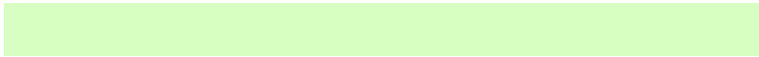
73.8165, 90.0140, 64.5228



69.3540, 90.0140, 83.3315

Triad

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



73.8165, 90.0140, 64.5228



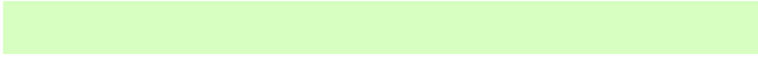
80.2638, 90.0140, 156.5600



104.5339, 90.0140, 87.0130

Complementary

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



73.8165, 90.0140, 64.5228



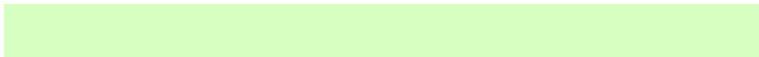
70.9470, 63.1284, 103.0534

Split Complementary

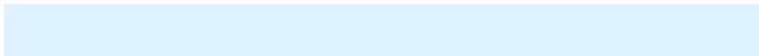
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.1022, 90.0140, 114.3181



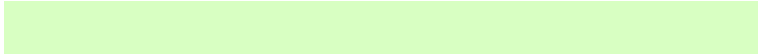
73.8165, 90.0140, 64.5228



89.6112, 90.0140, 158.0451

Square

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



73.8165, 90.0140, 64.5228



72.8839, 90.0140, 137.7009



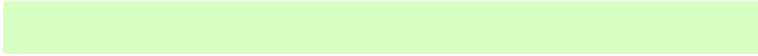
98.4776, 90.0140, 141.4470



99.6170, 90.0140, 66.7886

Rectangle

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



73.8165, 90.0140, 64.5228



68.6588, 90.0140, 100.4773



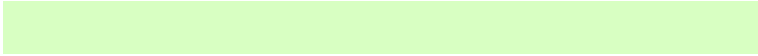
98.4776, 90.0140, 141.4470



105.0194, 90.0140, 95.5834

Sweetspot

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



73.8170, 90.0142, 64.5241



88.2333, 96.8026, 94.2701



80.0133, 83.2260, 62.8873



18.7648, 20.6630, 19.9216



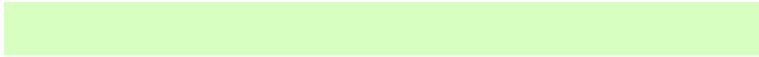
0.0000, 0.0000, 0.0000



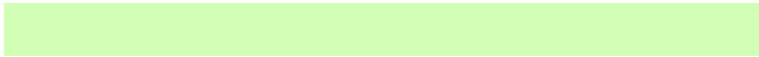
20.3446, 21.4041, 23.3091

Same Dimension

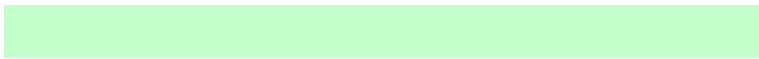
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.8170, 90.0142, 64.5241



70.0393, 88.2276, 57.0811



68.6854, 87.2603, 69.1839



18.3899, 20.4869, 19.1294



21.1378, 38.6350, 6.3432



2.1725, 3.8207, 0.6230

Inverse Universe

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



70.9470, 63.1284, 103.0534



66.6838, 56.8361, 102.0636



77.3002, 66.5517, 96.6597



18.1200, 17.9536, 22.7603



17.4967, 7.9304, 50.0431



1.8232, 0.8338, 4.8781

Previews

White Background



This preview shows how the XYZ color 73.8165, 90.0140, 64.5228 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 73.8165, 90.0140, 64.5228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

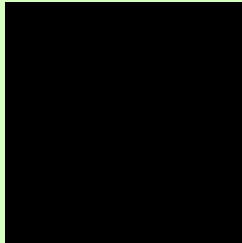
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

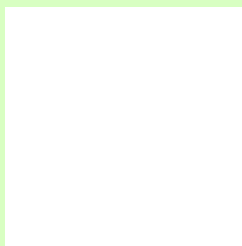
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.8165, 90.0140, 64.5228

Background



This preview shows how black text looks on a background with the XYZ color 73.8165, 90.0140, 64.5228.



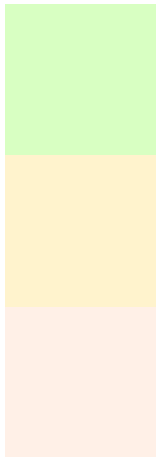
This preview shows how white text looks on a background with the XYZ color 73.8165, 90.0140,

64.5228.

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

73.8165, 90.0140, 64.5228

Protanopia

84.3100, 89.7690, 70.6411

Deuteranopia

86.8239, 89.3497, 88.2714



Tritanopia

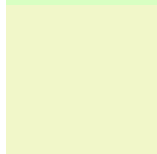
84.6616, 89.5835, 107.4369

Trichromacy



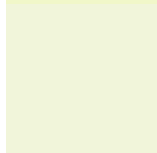
Original Color

73.8165, 90.0140, 64.5228



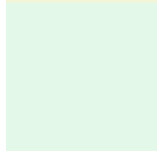
Protanomaly

80.0790, 89.4393, 68.3012



Deuteranomaly

81.5829, 89.0675, 79.2215



Tritanomaly

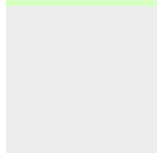
80.2703, 89.5120, 90.1376

Monochromacy



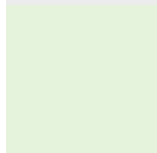
Original Color

73.8165, 90.0140, 64.5228



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

77.4148, 85.9797, 80.9221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.8165, 90.0140, 64.5228 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, 194)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 194)  
}
```

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, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 194) }
```

Border

The CSS property to change the border of an element to XYZ 73.8165, 90.0140, 64.5228 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, 194) }
```


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

```
.border{ border-color:rgb(216, 255, 194) }
```

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, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 73.8165, 90.0140, 64.5228 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, 194) }
```

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

```
.background{ background-color: rgb(216,  
255, 194) }
```

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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