Converting Colors

XYZ(66.9173, 82.8451, 66.4004)

Have a look what the booklet for XYZ(66.9173, 82.8451, 66.4004) contains.

XYZ(66.8583, 82.6508, 66.4622) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 12
- ***Previews*** 24
- ***Color Blindness Simulation*** 28
- ***CSS Examples*** 31

Color

XYZ(66.8583, 82.6508, 66.4622)

Conversions

Conversions Part 1

Format	Color
Hex	C6F7C7
RGB	198, 247, 199
RGB Percent	78%, 97%, 78%
CMY	0.2235, 0.0314, 0.2196
CMYK	0.20, 0.00, 0.19, 0.03
HSL	121°, 75%, 87%
HSV	121°, 20%, 97%
XYZ	66.8583, 82.6508, 66.4622
YIQ	226.8770, -13.7960, -25.3160

Conversions

Conversions Part 2

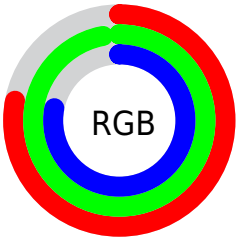
Format	Color
RYB	198, 246, 247
Decimal	13039559
CIELab	92.86, -24.56, 18.04
CIELCh	93, 30.468, 143.702
Yxy	82.6508, 0.3096, 0.3827
Android (android.graphics.Color)	4291229639 (0xFFC6F7C7)
YUV	226.8770, -13.7434, -25.3251
Hunter-Lab	90.9125, -27.8255, 20.2944

Details

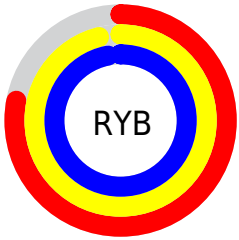
The XYZ color 66.8583, 82.6508, 66.4622 is a light color, and the websafe version is hex CCFFCC. A complement of this color would be 75.1893, 66.8181, 96.1269, and the grayscale version is 73.0300, 76.8333, 83.6715.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 34.8520, 44.7109, 33.5812 is the 20% darker color. If you saturate the color by 10%, you get 58.2814, 78.5308, 52.5437, and if you desaturate by 10%, it is 76.9481, 87.5038, 82.7866.

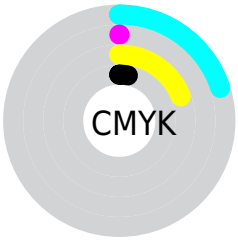
Distribution



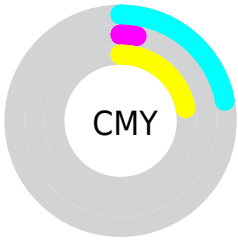
- Red (78%)
- Green (97%)
- Blue (78%)



- Red (78%)
- Yellow (96%)
- Blue (97%)



- Cyan (20%)
- Magenta (0%)
- Yellow (19%)
- Black (3%)



- Cyan (22%)
- Magenta (3%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.8583, 82.6508, 66.4622 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 66.8583, 82.6508, 66.4622 by changing the saturation by 10% instead.

66.8583, 82.6508, 66.4622

66.8583, 82.6508, 66.4622

438.8806, 503.8220, 466.4773

49.2398, 61.9021, 48.1889

113.7683, 137.0863, 115.7828

35.0250, 44.9536, 33.6154

143.7904, 171.5418, 147.6671

23.8488, 31.4209, 22.3233

178.6778, 211.3352, 184.9255

15.3456, 20.9196, 13.8941

218.7957, 256.8507, 227.9765

9.1502, 13.0652, 7.9091

264.5096, 308.4727, 277.2386

4.8972, 7.4735, 3.9499

316.1849,

2.2212, 3.7599,

366.5857, 333.1304

374.1867, 431.5740, 396.0705

1.5979

0.7539, 1.5402, 0.2893

0.0000, 0.3168, 0.0000

66.8583, 82.6508, 66.4622

66.8583, 82.6508, 66.4622

58.2814, 78.5308, 52.5437

76.9481, 87.5038, 82.7866

51.1383, 75.0985, 40.9124

88.6117, 93.1119, 101.6173

45.3527, 72.3194, 31.4475

92.5524, 95.0047, 108.0675

40.8388, 70.1522, 24.0152

37.5009, 68.5508, 18.4668

35.2296, 67.4624, 14.6332

33.8953, 66.8245, 12.3155

33.2971, 66.5392, 11.2444

33.2900, 66.5358, 11.2329

Harmonies

Analogous

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

72.5650, 82.6508, 55.5334

66.8583, 82.6508, 66.4622

64.3076, 82.6508, 85.2702

Triad

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

66.8583, 82.6508, 66.4622

76.8904, 82.6508, 140.9595

93.4183, 82.6508, 73.5005

Complementary

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

66.8583, 82.6508, 66.4622

75.1893, 66.8181, 96.1269

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.

94.7699, 82.6508, 94.8864

66.8583, 82.6508, 66.4622

84.8703, 82.6508, 136.3808

Square

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

66.8583, 82.6508, 66.4622

69.8421, 82.6508, 130.1357

91.5467, 82.6508, 118.5093

87.9686, 82.6508, 59.0914

Rectangle

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

66.8583, 82.6508, 66.4622

64.6083, 82.6508, 100.7778

91.5467, 82.6508, 118.5093

94.3816, 82.6508, 80.0058

Sweetspot

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

66.8605, 82.6543, 66.4640

87.3234, 96.2848, 96.4301

81.5278, 90.2289, 66.5460

18.5189, 20.5262, 20.3623

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.

66.8605, 82.6543, 66.4640

67.8128, 86.9053, 64.8594

69.9140, 83.8757, 82.5433

16.2959, 18.4775, 17.5768

17.6113, 35.1894, 5.9732

1.5526, 3.0947, 0.5499

Inverse Universe

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

75.1893, 66.8181, 96.1269

78.3368, 66.8944, 102.3397

71.6969, 65.4211, 77.7360

17.1982, 16.7621, 20.7901

28.7658, 13.8498, 45.6027

2.5328, 1.2191, 4.0322

Previews

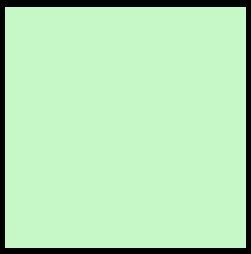
White Background

This preview shows how the XYZ color 66.8583, 82.6508, 66.4622 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



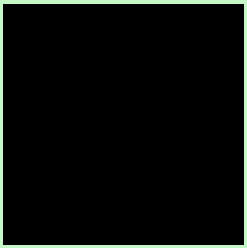
This preview shows how the XYZ color 66.8583, 82.6508, 66.4622 looks on a black background.

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 66.8583, 82.6508, 66.4622 Background



This preview shows how black text looks on a background with the XYZ color 66.8583, 82.6508, 66.4622.

This preview shows how white text looks on a background with the XYZ color 66.8583, 82.6508,

66.4622.

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
66.8583, 82.6508, 66.4622

Protanopia
77.0111, 81.8578, 61.6104

Deuteranopia
81.6540, 82.2565, 76.5392

Tritanopia
75.7759, 82.3661, 106.5122

Trichromacy

Original Color
66.8583, 82.6508, 66.4622

Protanomaly
72.7380, 81.7472, 63.5748

Deuteranomaly
75.5600, 82.1365, 72.8443

Tritanomaly
72.1828, 82.1742, 90.6540

Monochromacy

Original Color
66.8583, 82.6508, 66.4622

Achromatopsia
73.0128, 76.8151, 83.6517

Achromatomaly
70.2661, 78.4543, 77.0854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8583, 82.6508, 66.4622 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(198, 247, 199) looks like.

```
.text, #text, p{
    color:rgb(198, 247, 199)
}
```

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(198, 247, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 247, 199) }
```

Border

The CSS property to change the border of an element to XYZ 66.8583, 82.6508, 66.4622 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(198, 247, 199) }
```

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

```
.border{ border-color:rgb(198, 247, 199) }
```

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

Here you see how a box with a 4 pixel rgb(198, 247, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 247, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 247, 199); box-shadow:4px 4px 4px 4px rgb(198, 247, 199) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8583, 82.6508, 66.4622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(198, 247, 199) }
```

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

```
.background{ background-color:rgb(198,
247, 199) }
```

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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