

Converting Colors

XYZ(71.6512, 82.8498, 87.8165)

Have a look what the booklet for
XYZ(71.6512, 82.8498, 87.8165)
contains.

XYZ(71.6512, 82.8498, 87.8165)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(71.6512, 82.8498,
87.8165)**

Conversions

Conversions Part 1

Format	Color
Hex	CDF3E7
RGB	205, 243, 231
RGB Percent	80%, 95%, 91%
CMY	0.1961, 0.0470, 0.0941
CMYK	0.16, 0.00, 0.05, 0.05
HSL	161°, 61%, 88%
HSV	161°, 16%, 95%
XYZ	71.6512, 82.8498, 87.8165
YIQ	230.2700, -18.7960, -11.7880

Conversions

Conversions Part 2

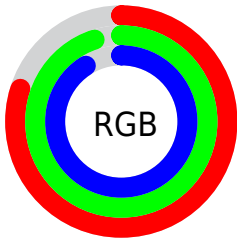
Format	Color
R _Y B	205, 228, 243
Decimal	13497319
CIE Lab	92.95, -14.55, 1.68
CIE LCh	93, 14.646, 173.430
Yxy	82.8498, 0.2957, 0.3419
Android (android.graphics.Color)	4291687399 (0xFFCDF3E7)
YUV	230.2700, 0.3599, -22.1618
Hunter-Lab	91.0219, -18.7754, 6.5132

Details

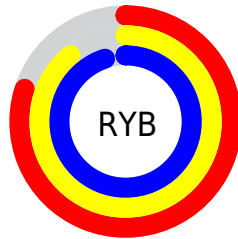
The XYZ color **71.6512, 82.8498, 87.8165** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.3208, 67.7292, 74.9633**, and the grayscale version is **75.4230, 79.3508, 86.4130**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.0859, 45.1198, 47.2591** is the 20% darker color. If you saturate the color by 10%, you get **64.4016, 79.2373, 81.9430**, and if you desaturate by 10%, it is **79.9941, 87.0250, 93.9928**.

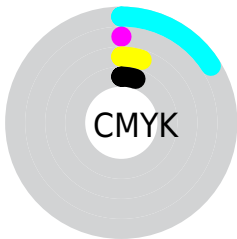
Distribution



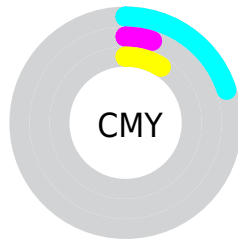
- Red (80%)
- Green (95%)
- Blue (91%)



- Red (80%)
- Yellow (89%)
- Blue (95%)



- Cyan (16%)
- Magenta (0%)
- Yellow (5%)
- Black (5%)



- Cyan (20%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.6512, 82.8498, 87.8165 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 71.6512, 82.8498, 87.8165 by changing the saturation by 10% instead.

71.6512, 82.8498,
87.8165

71.6512, 82.8498,
87.8165

455.5031,
504.4858, 541.2878

53.1582, 62.0663,
65.6076

120.5740,
137.3651, 146.2106

38.1571, 45.0862,
47.4995

151.7345,
171.8656, 183.2328

26.2824, 31.5254,
33.0735

187.8483,
211.7072, 226.0300

17.1688, 20.9992,
21.9112

229.2807,
257.2743, 275.0205

10.4510, 13.1234,
13.5940

276.3970,
308.9514, 330.6231

5.7635, 7.5136,
7.7033

329.5626,

2.7411, 3.7853,

367.1227, 393.2561

3.8207

389.1429,
432.1727, 463.3382

■ 1.0184, 1.5542,
1.5275

■ 0.0000, 0.3264,
0.2383

■ 71.6512, 82.8498,
87.8165

■ 71.6512, 82.8498,
87.8165

■ 64.4016, 79.2373,
81.9430

■ 79.9941, 87.0250,
93.9928

■ 58.1897, 76.1521,
76.3614

■ 89.4687, 91.7757,
100.4716

■ 52.9657, 73.5707,
71.0679

■ 91.1860, 92.5218,
106.8417

■ 48.6726, 71.4640,
66.0565

■ 91.3421, 92.5842,
107.6640

■ 45.2475, 69.7996,
61.3209

■ 42.6192, 68.5408,
56.8546

■ 40.7050, 67.6451,
52.6499

■ 39.4027, 67.0598,
48.6988

■ 38.9582, 66.8667,
47.0508

Harmonies

Analogous

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



72.9759, 82.8498, 78.2122



71.6512, 82.8498, 87.8165



72.1775, 82.8498, 98.8625

Triad

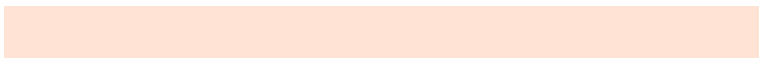
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.6512, 82.8498, 87.8165



81.7124, 82.8498, 110.9887



83.2181, 82.8498, 74.3015

Complementary

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



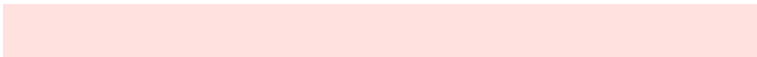
71.6512, 82.8498, 87.8165



71.3208, 67.7292, 74.9633

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.



85.7019, 82.8498, 82.0764



71.6512, 82.8498, 87.8165



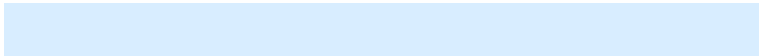
84.8131, 82.8498, 103.3745

Square

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



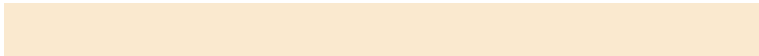
71.6512, 82.8498, 87.8165



77.9062, 82.8498, 112.8375



86.2949, 82.8498, 92.6453



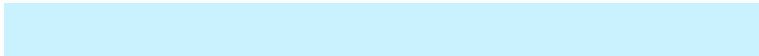
79.5923, 82.8498, 70.8287

Rectangle

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



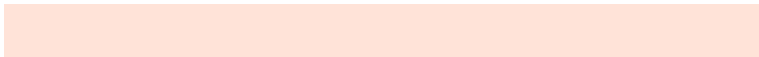
71.6512, 82.8498, 87.8165



73.5159, 82.8498, 105.5071



86.2949, 82.8498, 92.6453



84.2190, 82.8498, 76.4667

Sweetspot

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



71.6535, 82.8533, 87.8183



89.8721, 97.4048, 105.3086



71.6979, 83.2694, 70.0526



19.0861, 20.7734, 22.4338



0.0000, 0.0000, 0.0000



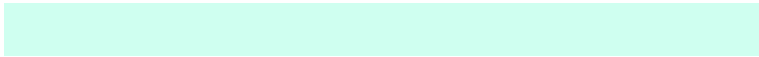
20.3446, 21.4041, 23.3091

Same Dimension

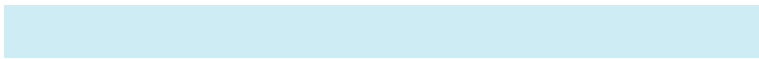
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.6535, 82.8533, 87.8183



77.0498, 90.9939, 95.7049



71.3622, 79.4635, 96.3748



16.7609, 18.6635, 20.0254



21.4444, 36.7226, 26.1579



1.9312, 3.2461, 2.5435

Inverse Universe

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



71.3208, 67.7292, 74.9633



76.6091, 70.9339, 78.6579



71.5194, 70.5350, 67.6040



16.7148, 16.5688, 18.2445



21.0703, 10.7716, 5.0785



1.8965, 0.9646, 0.6812

Previews

White Background



This preview shows how the XYZ color 71.6512, 82.8498, 87.8165 looks on a white background.

Color Contrast Check

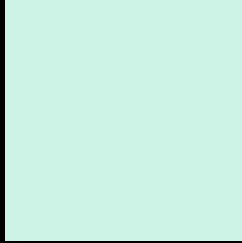
Large Text (above 18pt) WCAG AA × Fail

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 71.6512, 82.8498, 87.8165 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

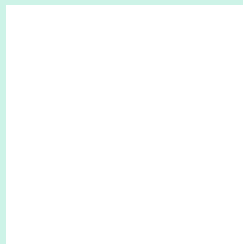
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.6512, 82.8498, 87.8165

Background



This preview shows how black text looks on a background with the XYZ color 71.6512, 82.8498, 87.8165.



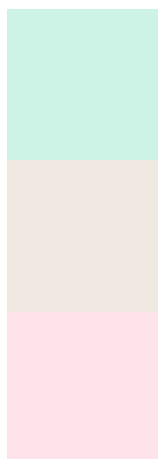
This preview shows how white text looks on a background with the XYZ color 71.6512, 82.8498,

87.8165.

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

71.6512, 82.8498, 87.8165

Protanopia

78.8016, 82.2941, 83.6826

Deuteranopia

83.5604, 82.1387, 89.2921



Tritanopia

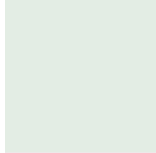
76.0651, 82.5152, 106.5257

Trichromacy



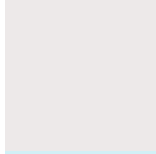
Original Color

71.6512, 82.8498, 87.8165



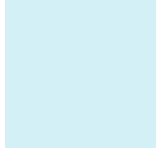
Protanomaly

75.9663, 82.5007, 85.3192



Deuteranomaly

78.7719, 82.1655, 88.7986



Tritanomaly

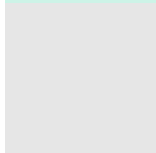
74.3730, 82.6756, 99.2269

Monochromacy



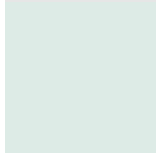
Original Color

71.6512, 82.8498, 87.8165



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

73.8101, 80.5020, 86.5111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.6512, 82.8498, 87.8165 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(205, 243, 231)` looks like.

```
.text, #text, p{  
    color:rgb(205, 243, 231)  
}
```

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(205, 243, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 243, 231) }
```

Border

The CSS property to change the border of an element to XYZ 71.6512, 82.8498, 87.8165 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(205, 243, 231) }
```


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

```
.border{ border-color:rgb(205, 243, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 243, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 243, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 243, 231);  
box-shadow:4px 4px 4px 4px rgb(205, 243,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 71.6512, 82.8498, 87.8165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 243, 231) }
```

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

```
.background{ background-color: rgb(205,  
243, 231) }
```

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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