

Converting Colors

XYZ(64.8512, 74.2025, 85.7674)

Have a look what the booklet for
XYZ(64.8512, 74.2025, 85.7674)
contains.

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Color

**XYZ(64.8512, 74.2025,
85.7674)**

Conversions

Conversions Part 1

Format	Color
Hex	C1E7E6
RGB	193, 231, 230
RGB Percent	76%, 91%, 90%
CMY	0.2431, 0.0941, 0.0980
CMYK	0.16, 0.00, 0.00, 0.09
HSL	178°, 44%, 83%
HSV	178°, 16%, 91%
XYZ	64.8512, 74.2025, 85.7674
YIQ	219.5240, -22.3270, -8.3670

Conversions

Conversions Part 2

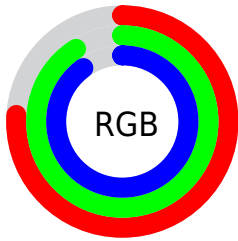
Format	Color
RYB	193, 212, 231
Decimal	12707814
CIELab	89.02, -12.48, -3.64
CIELCh	89, 13.005, 196.261
Yxy	74.2025, 0.2885, 0.3301
Android (android.graphics.Color)	4290897894 (0xFFC1E7E6)
YUV	219.5240, 5.1647, -23.2615
Hunter-Lab	86.1409, -16.3627, 1.2657

Details

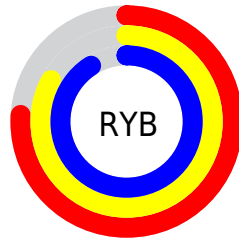
The XYZ color **64.8512, 74.2025, 85.7674** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.7653, 59.0260, 59.1800**, and the grayscale version is **67.6740, 71.1983, 77.5350**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **33.7153, 39.2441, 46.3553** is the 20% darker color. If you saturate the color by 10%, you get **59.3313, 71.3687, 85.0643**, and if you desaturate by 10%, it is **71.2955, 77.5167, 86.5184**.

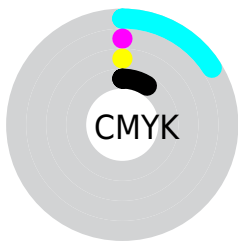
Distribution



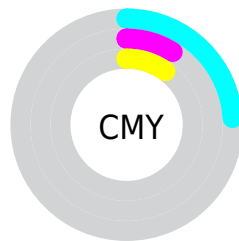
- Red (76%)
- Green (91%)
- Blue (90%)



- Red (76%)
- Yellow (83%)
- Blue (91%)



- Cyan (16%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



- Cyan (24%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8512, 74.2025, 85.7674 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 64.8512, 74.2025, 85.7674 by changing the saturation by 10% instead.

64.8512, 74.2025,
85.7674

64.8512, 74.2025,
85.7674

431.8107,
475.1720, 534.3746

47.6047, 54.9598,
63.9219

110.9028,
125.1828, 143.3285

33.7239, 39.3695,
46.1416

140.4386,
157.6892, 179.8812

22.8434, 27.0473,
32.0081

174.8015,
195.3857, 222.1733

14.5980, 17.6088,
21.1028

214.3570,
238.6565, 270.6234

8.6222, 10.6695,
13.0072

259.4702,
287.8862, 325.6501

4.5507, 5.8450,
7.3027

310.5067,

2.0182, 2.7511,

343.4590, 387.6718

3.5708

367.8318,
405.7595, 457.1071

■ 0.6441, 1.0032,
1.3930

■ 0.0000, 0.0000,
0.1362

■ 64.8512, 74.2025,
85.7674

■ 64.8512, 74.2025,
85.7674

■ 59.3313, 71.3687,
85.0643

■ 71.2955, 77.5167,
86.5184

■ 54.6867, 68.9842,
84.4022


■ 78.6976, 81.3227,
87.3143


■ 50.8738, 67.0284,
83.7805


■ 84.3588, 84.2311,
88.0303


■ 47.8423, 65.4754,
83.1970


■ 84.4455, 84.2658,
88.4869

 45.5369, 64.2966,
82.6491


 84.5325, 84.3006,
88.9452


 43.8947, 63.4597,
82.1337


 84.6198, 84.3356,
89.4050


 42.8422, 62.9268,
81.6474

 84.7075, 84.3706,
89.8664

 42.2873, 62.6504,
81.1861

 84.7954, 84.4058,
90.3294

 42.1551, 62.5857,
81.0257

 84.8836, 84.4411,
90.7940

Harmonies

Analogous

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



64.7857, 74.2025, 76.7295



64.8512, 74.2025, 85.7674



66.4075, 74.2025, 94.0358

Triad

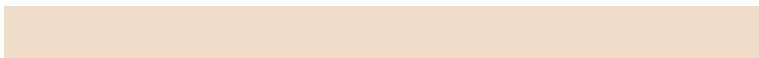
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.8512, 74.2025, 85.7674



75.0109, 74.2025, 93.4375



71.9808, 74.2025, 65.0355

Complementary

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



64.8512, 74.2025, 85.7674



61.7653, 59.0260, 59.1800

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.



74.8139, 74.2025, 68.8574



64.8512, 74.2025, 85.7674



76.5983, 74.2025, 84.9994

Square

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



64.8512, 74.2025, 85.7674



72.2431, 74.2025, 98.6852



76.5252, 74.2025, 76.0165



68.8388, 74.2025, 65.2073

Rectangle

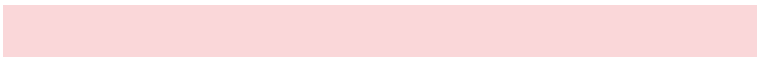
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.8512, 74.2025, 85.7674



68.1084, 74.2025, 97.8006



76.5252, 74.2025, 76.0165



73.0027, 74.2025, 65.8827

Sweetspot

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



64.8533, 74.2056, 85.7691



90.4597, 97.6399, 108.4025



60.5204, 72.5099, 61.2595



19.2293, 20.8307, 23.1879



0.0000, 0.0000, 0.0000



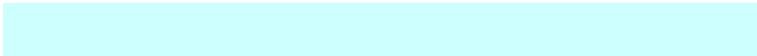
20.3446, 21.4041, 23.3091

Same Dimension

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



64.8533, 74.2056, 85.7691



78.4958, 91.4910, 106.9977



60.2797, 64.8322, 84.9417



14.7902, 16.3295, 18.4257



23.6394, 35.0878, 45.4627



1.7521, 2.5950, 3.3871

Inverse Universe

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



61.7653, 59.0260, 59.1800



73.8942, 68.8703, 67.3757



65.8114, 67.2980, 59.9746



14.3923, 14.3741, 15.0005



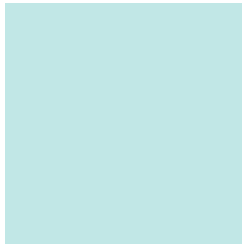
18.5009, 9.5346, 1.0006



1.3726, 0.7068, 0.1027

Previews

White Background



This preview shows how the XYZ color 64.8512, 74.2025, 85.7674 looks on a white background.

Color Contrast Check

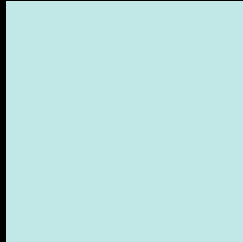
Large Text (above 18pt) WCAG AA × Fail

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 64.8512, 74.2025, 85.7674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

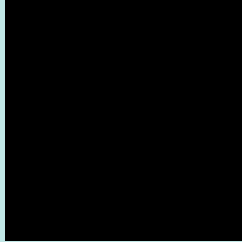
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

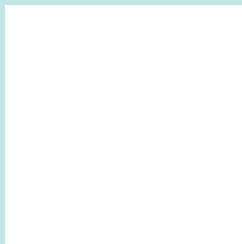
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.8512, 74.2025, 85.7674

Background



This preview shows how black text looks on a background with the XYZ color 64.8512, 74.2025, 85.7674.



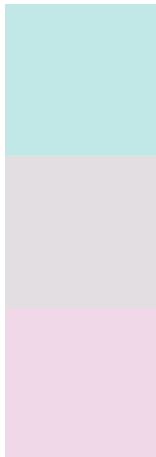
This preview shows how white text looks on a background with the XYZ color 64.8512, 74.2025,

85.7674.

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

64.8512, 74.2025, 85.7674

Protanopia

71.0759, 73.8475, 81.7421

Deuteranopia

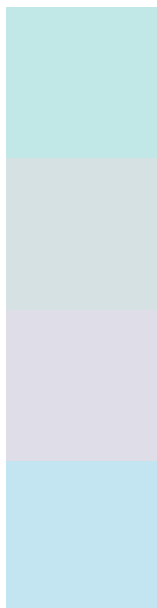
75.1990, 73.5202, 87.3182



Tritanopia

67.2969, 73.9380, 98.7202

Trichromacy



Original Color

64.8512, 74.2025, 85.7674

Protanomaly

68.5219, 73.6926, 83.2857

Deuteranomaly

70.8534, 73.2271, 86.7438

Tritanomaly

66.4022, 73.9916, 94.0011

Monochromacy



Original Color

64.8512, 74.2025, 85.7674

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

66.6885, 72.3948, 80.9797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8512, 74.2025, 85.7674 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(193, 231, 230)` looks like.

```
.text, #text, p{  
    color:rgb(193, 231, 230)  
}
```

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(193, 231, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 231, 230) }
```

Border

The CSS property to change the border of an element to XYZ 64.8512, 74.2025, 85.7674 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(193, 231, 230) }
```


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

```
.border{ border-color:rgb(193, 231, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 231, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 231, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 231, 230); box-shadow:4px 4px 4px 4px rgb(193, 231, 230) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8512, 74.2025, 85.7674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 231, 230) }
```

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

```
.background{ background-color: rgb(193,  
231, 230) }
```

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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