

Converting Colors

XYZ(64.5003, 71.4085, 86.7649)

Have a look what the booklet for
XYZ(64.5003, 71.4085, 86.7649)
contains.

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Color

**XYZ(64.5167, 71.5469,
86.7535)**

Conversions

Conversions Part 1

Format	Color
Hex	C5E1E8
RGB	197, 225, 232
RGB Percent	77%, 88%, 91%
CMY	0.2274, 0.1176, 0.0902
CMYK	0.15, 0.03, 0.00, 0.09
HSL	192°, 43%, 84%
HSV	192°, 15%, 91%
XYZ	64.5167, 71.5469, 86.7535
YIQ	217.4260, -18.9350, -3.7590

Conversions

Conversions Part 2

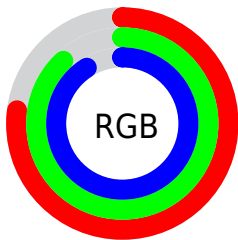
Format	Color
RYB	197, 213, 232
Decimal	12968424
CIELab	87.75, -7.78, -6.53
CIELCh	88, 10.157, 220.032
Yxy	71.5469, 0.2896, 0.3211
Android (android.graphics.Color)	4291158504 (0xFFC5E1E8)
YUV	217.4260, 7.1850, -17.9136
Hunter-Lab	84.5854, -11.8753, -1.5999

Details

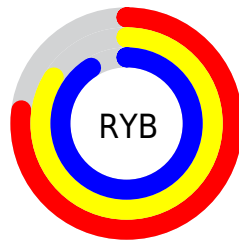
The XYZ color **64.5167, 71.5469, 86.7535** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.9503, 64.3729, 61.8268**, and the grayscale version is **66.2088, 69.6568, 75.8563**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **33.5389, 37.7237, 46.5880** is the 20% darker color. If you saturate the color by 10%, you get **57.6668, 66.1813, 86.0800**, and if you desaturate by 10%, it is **72.3398, 77.4686, 87.4853**.

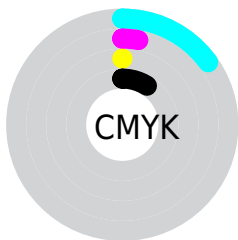
Distribution



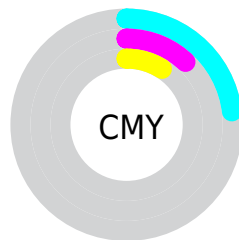
- Red (77%)
- Green (88%)
- Blue (91%)



- Red (77%)
- Yellow (84%)
- Blue (91%)



- Cyan (15%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)



- Cyan (23%)
- Magenta (12%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5167, 71.5469, 86.7535 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 64.5167, 71.5469, 86.7535 by changing the saturation by 10% instead.

■ 64.5167, 71.5469,
86.7535

■ 64.5167, 71.5469,
86.7535

430.6259,
465.9630, 537.7077

■ 47.3325, 52.7886,
64.7328

110.4243,
121.4121, 144.7163

■ 33.5077, 37.6341,
46.7945

139.8785,
153.2879, 181.4955

■ 22.6767, 25.6988,
32.5200

174.1534,
190.3049, 224.0313

■ 14.4744, 16.5984,
21.4909

213.6143,
232.8476, 272.7422

■ 8.5352, 9.9486,
13.2886

258.6267,
281.3003, 328.0467

■ 4.4940, 5.3649,
7.4945

309.5558,

■ 1.9852, 2.4629,

336.0476, 390.3635

3.6901

366.7671,
397.4736, 460.1110

■ 0.6256, 0.8580,
1.4569

■ 0.0000, 0.0000,
0.1855

■ 64.5167, 71.5469,
86.7535

■ 64.5167, 71.5469,
86.7535

■ 57.6668, 66.1813,
86.0800

■ 72.3398, 77.4686,
87.4853

■ 51.7408, 61.3402,
85.4579

■ 81.1699, 83.9584,
88.2726

■ 46.6948, 57.0026,
84.8866

■ 86.6485, 88.7719,
88.9129

■ 42.4784, 53.1420,
84.3637

■ 88.0233, 91.5215,
89.3712

■ 39.0361, 49.7295,
83.8864

■ 89.4332, 94.3412,
89.8411

■ 36.3053, 46.7323,
83.4518

■ 90.8784, 97.2317,
90.3229

■ 34.2133, 44.1125,
83.0564

■ 91.5657, 98.6063,
90.5520

■ 32.6709, 41.8237,
82.6960

■ 32.0447, 40.7843,
82.5283

Harmonies

Analogous

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



63.5418, 71.5469, 80.2370



64.5167, 71.5469, 86.7535



66.4331, 71.5469, 91.0522

Triad

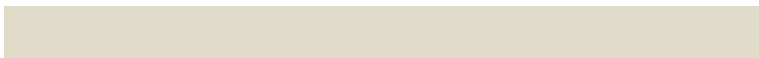
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.5167, 71.5469, 86.7535



72.4518, 71.5469, 82.5225



67.1992, 71.5469, 65.5522

Complementary

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



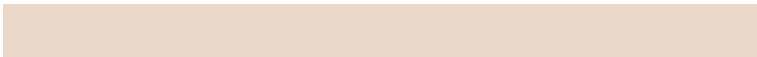
64.5167, 71.5469, 86.7535



64.9503, 64.3729, 61.8268

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.



69.5978, 71.5469, 66.0838



64.5167, 71.5469, 86.7535



72.6687, 71.5469, 75.6135

Square

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



64.5167, 71.5469, 86.7535



71.0273, 71.5469, 88.5113



71.6131, 71.5469, 69.6748



65.0661, 71.5469, 68.1771

Rectangle

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



64.5167, 71.5469, 86.7535



68.0058, 71.5469, 91.9403



71.6131, 71.5469, 69.6748



68.0006, 71.5469, 65.3715

Sweetspot

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



64.5188, 71.5499, 86.7551



89.7060, 96.0460, 108.4185



62.7132, 73.9166, 67.7241



19.0455, 20.4419, 23.1918



0.0000, 0.0000, 0.0000



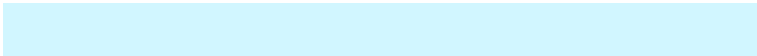
20.3446, 21.4041, 23.3091

Same Dimension

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



64.5188, 71.5499, 86.7551



77.2750, 86.5943, 107.2493



60.1691, 62.8504, 85.3052



14.5499, 15.8211, 18.4313



17.8808, 22.8238, 45.8462



1.3837, 1.8114, 3.4087

Inverse Universe

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



66.8373, 62.5262, 79.7835



80.6725, 73.5530, 96.9923



69.1925, 72.8573, 63.2409



14.8651, 14.5632, 17.4902



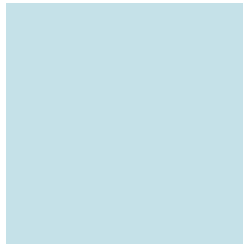
23.4189, 11.5018, 26.8988



1.7621, 0.8625, 2.1536

Previews

White Background



This preview shows how the XYZ color 64.5167, 71.5469, 86.7535 looks on a white background.

Color Contrast Check

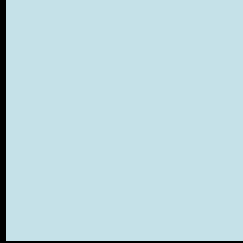
Large Text (above 18pt) WCAG AA × Fail

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 64.5167, 71.5469, 86.7535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

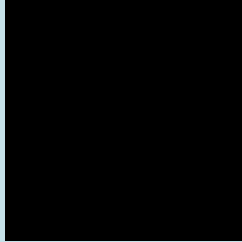
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.5167, 71.5469, 86.7535

Background



This preview shows how black text looks on a background with the XYZ color 64.5167, 71.5469, 86.7535.



This preview shows how white text looks on a background with the XYZ color 64.5167, 71.5469,

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

64.5167, 71.5469, 86.7535

Protanopia

68.8938, 71.1164, 83.4945

Deuteranopia

72.5772, 71.0214, 87.7252



Tritanopia

66.0860, 71.8043, 93.5956

Trichromacy



Original Color

64.5167, 71.5469, 86.7535

Protanomaly

67.1507, 71.3671, 84.3647

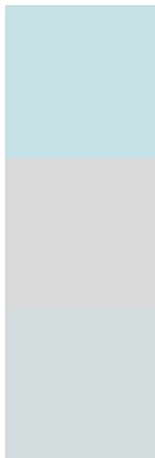
Deuteranomaly

69.3396, 70.8811, 87.1176

Tritanomaly

65.3770, 71.4901, 91.2422

Monochromacy



Original Color

64.5167, 71.5469, 86.7535

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.3564, 70.1620, 79.2052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5167, 71.5469, 86.7535 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(197, 225, 232) looks like.

```
.text, #text, p{  
    color:rgb(197, 225, 232)  
}
```

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(197, 225, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 225, 232) }
```

Border

The CSS property to change the border of an element to XYZ 64.5167, 71.5469, 86.7535 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(197, 225, 232) }
```


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

```
.border{ border-color:rgb(197, 225, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 225, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 225, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 225, 232);  
box-shadow:4px 4px 4px 4px rgb(197, 225,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5167, 71.5469, 86.7535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 225, 232) }
```

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

```
.background{ background-color: rgb(197,  
225, 232) }
```

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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