

Converting Colors

XYZ(64.5984, 70.5517, 79.0431)

Have a look what the booklet for
XYZ(64.5984, 70.5517, 79.0431)
contains.

XYZ(64.7597, 70.6383, 79.3286)	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(64.7597, 70.6383,
79.3286)**

Conversions

Conversions Part 1

Format	Color
Hex	CEDEDE
RGB	206, 222, 222
RGB Percent	81%, 87%, 87%
CMY	0.1921, 0.1294, 0.1294
CMYK	0.07, 0.00, 0.00, 0.13
HSL	180°, 20%, 84%
HSV	180°, 7%, 87%
XYZ	64.7597, 70.6383, 79.3286
YIQ	217.2160, -9.5360, -3.3920

Conversions

Conversions Part 2

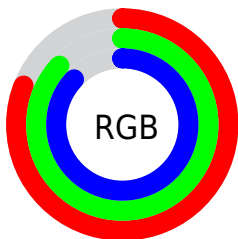
Format	Color
R _Y B	206, 214, 222
Decimal	13557470
CIE Lab	87.31, -5.32, -1.85
CIE LCh	87, 5.636, 199.115
Yxy	70.6383, 0.3016, 0.3290
Android (android.graphics.Color)	4291747550 (0xFFCEDEDE)
YUV	217.2160, 2.3585, -9.8364
Hunter-Lab	84.0466, -9.5435, 2.8709

Details

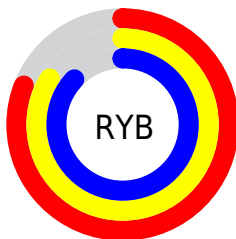
The XYZ color **64.7597, 70.6383, 79.3286** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.3387, 64.1303, 67.4359**, and the grayscale version is **66.0921, 69.5341, 75.7226**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.7427, 37.1029, 41.9424** is the 20% darker color. If you saturate the color by 10%, you get **59.0266, 67.6848, 79.0584**, and if you desaturate by 10%, it is **71.3674, 74.0466, 79.6426**.

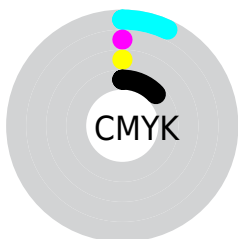
Distribution



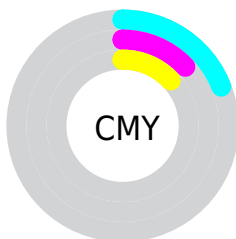
- Red (81%)
- Green (87%)
- Blue (87%)



- Red (81%)
- Yellow (84%)
- Blue (87%)



- Cyan (7%)
- Magenta (0%)
- Yellow (0%)
- Black (13%)



- Cyan (19%)
- Magenta (13%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7597, 70.6383, 79.3286 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 64.7597, 70.6383, 79.3286 by changing the saturation by 10% instead.

■ 64.7597, 70.6383,
79.3286

■ 64.7597, 70.6383,
79.3286

431.4868,
462.7880, 512.3143

■ 47.5302, 52.0471,
58.6431

110.7719,
120.1186, 134.2242

■ 33.6647, 37.0426,
41.9078

140.2854,
151.7764, 169.2714

■ 22.7978, 25.2405,
28.7040

174.6243,
188.5586, 209.9430

■ 14.5642, 16.2563,
18.6134

214.1539,
230.8494, 256.6573

■ 8.5984, 9.7057,
11.2173

259.2396,
279.0334, 309.8331

■ 4.5352, 5.2043,
6.0972

310.2467,

■ 2.0091, 2.3676,

333.4949, 369.8888

2.8345

367.5407,
394.6183, 437.2430

■ 0.6391, 0.8091,
1.0108

■ 0.0000, 0.0000,
0.0000

■ 64.7597, 70.6383,
79.3286

■ 64.7597, 70.6383,
79.3286

■ 59.0266, 67.6848,
79.0584

■ 71.3674, 74.0466,
79.6426

■ 54.1257, 65.1583,
78.8257

■ 78.8777, 77.9182,
79.9975

■ 50.0201, 63.0419,
78.6303

■ 80.5495, 78.7800,
80.0790

■ 46.6681, 61.3140,
78.4700

■ 80.5502, 78.7802,
80.0824

■ 44.0237, 59.9508,
78.3429

■ 80.5508, 78.7805,
80.0858

■ 42.0362, 58.9263,
78.2466

■ 80.5515, 78.7808,
80.0891

■ 40.6482, 58.2108,
78.1783

■ 80.5521, 78.7810,
80.0925

■ 39.7924, 57.7697,
78.1349

■ 80.5527, 78.7813,
80.0959

■ 39.3794, 57.5569,
78.1122

■ 80.5534, 78.7815,
80.0992

Harmonies

Analogous

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



64.6673, 70.6383, 75.5427



64.7597, 70.6383, 79.3286



65.4849, 70.6383, 82.5655

Triad

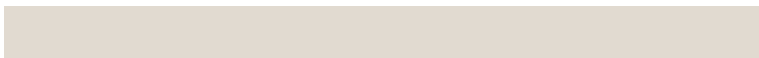
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.7597, 70.6383, 79.3286



69.0853, 70.6383, 81.7912



67.6221, 70.6383, 69.9644

Complementary

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



64.7597, 70.6383, 79.3286



63.3387, 64.1303, 67.4359

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.



68.8220, 70.6383, 71.5247



64.7597, 70.6383, 79.3286



69.6741, 70.6383, 78.3000

Square

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



64.7597, 70.6383, 79.3286



67.9778, 70.6383, 84.0193



69.5771, 70.6383, 74.5471



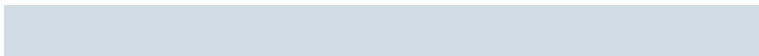
66.3083, 70.6383, 70.2193

Rectangle

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



64.7597, 70.6383, 79.3286



66.2349, 70.6383, 83.9375



69.5771, 70.6383, 74.5471



68.0524, 70.6383, 70.2919

Sweetspot

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



64.7617, 70.6413, 79.3302



93.1983, 99.0455, 108.8124



62.7916, 69.8618, 68.5689



19.9677, 21.2098, 23.2913



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

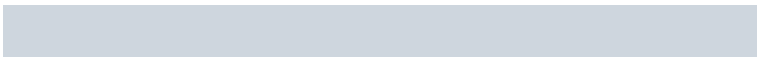
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.7617, 70.6413, 79.3302



87.1042, 95.9039, 108.5240



62.7546, 66.6262, 78.6634



14.1165, 15.5723, 17.6487



23.3433, 34.1622, 46.3924



1.6181, 2.3679, 3.2159

Inverse Universe

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



63.3387, 64.1303, 67.4359



84.6840, 84.8307, 88.2955



65.2465, 67.9466, 68.0698



13.7074, 13.7006, 14.2294



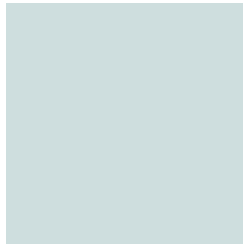
17.8934, 9.2244, 0.8385



1.2403, 0.6394, 0.0583

Previews

White Background



This preview shows how the XYZ color 64.7597, 70.6383, 79.3286 looks on a white background.

Color Contrast Check

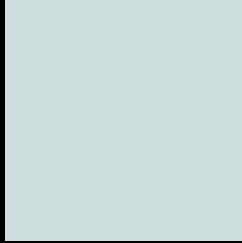
Large Text (above 18pt) WCAG AA × Fail

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 64.7597, 70.6383, 79.3286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

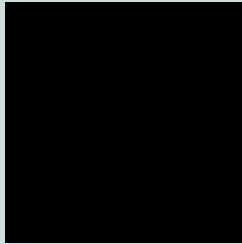
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

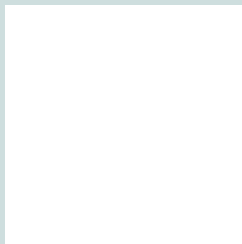
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.7597, 70.6383, 79.3286

Background



This preview shows how black text looks on a background with the XYZ color 64.7597, 70.6383, 79.3286.



This preview shows how white text looks on a background with the XYZ color 64.7597, 70.6383,

79.3286.

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

64.7597, 70.6383, 79.3286

Protanopia

67.7232, 70.2698, 77.0119

Deuteranopia

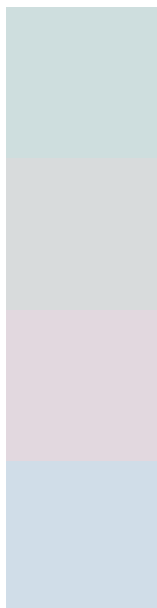
71.9231, 70.4733, 80.3330



Tritanopia

67.1738, 70.8561, 90.2569

Trichromacy



Original Color

64.7597, 70.6383, 79.3286

Protanomaly

66.5687, 70.4293, 77.7958

Deuteranomaly

69.2392, 70.6082, 79.7915

Tritanomaly

66.4344, 70.9490, 86.5370

Monochromacy



Original Color

64.7597, 70.6383, 79.3286

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.5583, 69.9236, 77.0592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7597, 70.6383, 79.3286 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(206, 222, 222) looks like.

```
.text, #text, p{  
    color:rgb(206, 222, 222)  
}
```

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(206, 222, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 222, 222) }
```

Border

The CSS property to change the border of an element to XYZ 64.7597, 70.6383, 79.3286 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(206, 222, 222) }
```


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

```
.border{ border-color:rgb(206, 222, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 222, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 222, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 222, 222);  
box-shadow:4px 4px 4px 4px rgb(206, 222,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7597, 70.6383, 79.3286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 222, 222) }
```

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

```
.background{ background-color: rgb(206,  
222, 222) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor