

Converting Colors

XYZ(64.5979, 65.4757, 80.0392)

Have a look what the booklet for
XYZ(64.5979, 65.4757, 80.0392)
contains.

XYZ(64.5739, 65.5817, 79.7761)	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(64.5739, 65.5817,
79.7761)**

Conversions

Conversions Part 1

Format	Color
Hex	D8D1E0
RGB	216, 209, 224
RGB Percent	85%, 82%, 88%
CMY	0.1529, 0.1804, 0.1216
CMYK	0.04, 0.07, 0.00, 0.12
HSL	268°, 19%, 85%
HSV	268°, 7%, 88%
XYZ	64.5739, 65.5817, 79.7761
YIQ	212.8030, -0.6430, 6.1490

Conversions

Conversions Part 2

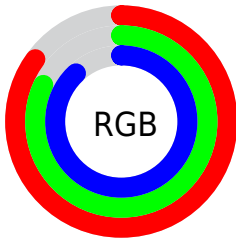
Format	Color
R _Y B	216, 209, 224
Decimal	14209504
CIE Lab	84.78, 5.14, -6.54
CIE LCh	85, 8.320, 308.188
Yxy	65.5817, 0.3076, 0.3124
Android (android.graphics.Color)	4292399584 (0xFFD8D1E0)
YUV	212.8030, 5.5201, 2.8038
Hunter-Lab	80.9825, 0.6130, -1.7190

Details

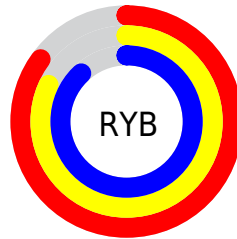
The XYZ color **64.5739, 65.5817, 79.7761** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.7820, 72.6682, 70.8315**, and the grayscale version is **63.0805, 66.3656, 72.2721**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.5807, 33.8843, 42.3066** is the 20% darker color. If you saturate the color by 10%, you get **56.0575, 53.5999, 77.9132**, and if you desaturate by 10%, it is **74.1236, 79.2468, 81.9114**.

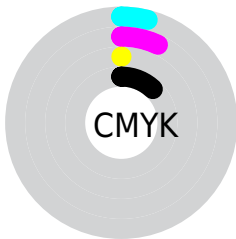
Distribution



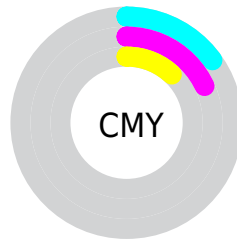
- Red (85%)
- Green (82%)
- Blue (88%)



- Red (85%)
- Yellow (82%)
- Blue (88%)



- Cyan (4%)
- Magenta (7%)
- Yellow (0%)
- Black (12%)



- Cyan (15%)
- Magenta (18%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5739, 65.5817, 79.7761 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 64.5739, 65.5817, 79.7761 by changing the saturation by 10% instead.

■ 64.5739, 65.5817,
79.7761

■ 64.5739, 65.5817,
79.7761

430.8286,
444.8794, 513.8648

■ 47.3791, 47.9329,
59.0090

110.5062,
112.8858, 134.8594

■ 33.5446, 33.7738,
42.2003

139.9743,
143.3098, 170.0128

■ 22.7052, 22.7199,
28.9315

174.2642,
178.7611, 210.7987

■ 14.4955, 14.3868,
18.7838

213.7414,
219.6239, 257.6356

■ 8.5501, 8.3902,
11.3390

258.7710,
266.2828, 310.9422

■ 4.5036, 4.3456,
6.1783

309.7185,

■ 1.9908, 1.8687,

319.1221, 371.1369

2.8832

366.9493,
378.5262, 438.6382

■ 0.6288, 0.5295,
1.0353

■ 0.0000, 0.0000,
0.0000

■ 64.5739, 65.5817,
79.7761

■ 64.5739, 65.5817,
79.7761

■ 56.0575, 53.5999,
77.9132

■ 74.1236, 79.2468,
81.9114

■ 48.5311, 43.2261,
76.3076

■ 84.7362, 94.6499,
84.3252

■ 41.9568, 34.3915,
74.9488

■ 89.3053, 97.5693,
84.6478

■ 36.2916, 27.0193,
73.8244

■ 90.4547, 98.1619,
84.7016

■ 31.4894, 21.0254,
72.9206

■ 27.4989, 16.3173,
72.2222

■ 24.2632, 12.7904,
71.7119

■ 21.7162, 10.3227,
71.3699

■ 19.7751, 8.7594,
71.1704

Harmonies

Analogous

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



62.8449, 65.5817, 82.0482



64.5739, 65.5817, 79.7761



65.7178, 65.5817, 75.2865

Triad

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



64.5739, 65.5817, 79.7761



63.6736, 65.5817, 62.3019



58.8554, 65.5817, 72.8781

Complementary

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



64.5739, 65.5817, 79.7761



66.7820, 72.6682, 70.8315

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.



59.0673, 65.5817, 67.6637



64.5739, 65.5817, 79.7761



61.8248, 65.5817, 61.7287

Square

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



64.5739, 65.5817, 79.7761



65.1909, 65.5817, 65.2520



60.1454, 65.5817, 63.6453



59.5607, 65.5817, 77.9380

Rectangle

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



64.5739, 65.5817, 79.7761



65.9819, 65.5817, 71.7321



60.1454, 65.5817, 63.6453



58.8220, 65.5817, 71.0835

Sweetspot

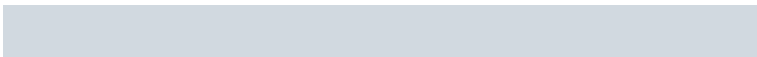
The Sweet Spot groups the original color and five complimentary colors.



64.5758, 65.5845, 79.7775



92.4507, 96.2767, 108.3183



64.6288, 68.6942, 80.3750



19.8155, 20.6462, 23.1907



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.



64.5758, 65.5845, 79.7775



84.9929, 85.6620, 106.6625



66.7654, 66.7133, 79.8800



13.5569, 13.5551, 17.2896



11.3189, 4.9304, 41.4035



0.8872, 0.3947, 2.8747

Inverse Universe

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



66.0676, 66.4610, 74.9951



87.3891, 87.0699, 98.9732



64.6739, 71.5814, 70.7329



14.0113, 13.8222, 15.8298



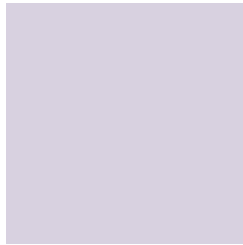
19.9074, 10.0299, 11.4439



1.4250, 0.7133, 1.0308

Previews

White Background



This preview shows how the XYZ color 64.5739, 65.5817, 79.7761 looks on a white background.

Color Contrast Check

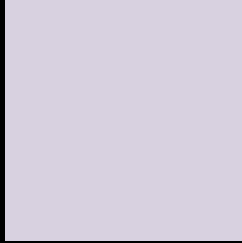
Large Text (above 18pt) WCAG AA × Fail

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 64.5739, 65.5817, 79.7761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

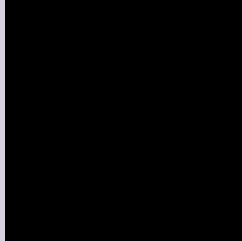
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.5739, 65.5817, 79.7761

Background



This preview shows how black text looks on a background with the XYZ color 64.5739, 65.5817, 79.7761.

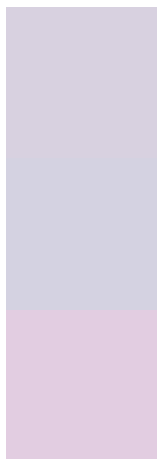


This preview shows how white text looks on a background with the XYZ color 64.5739, 65.5817,

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

64.5739, 65.5817, 79.7761

Protanopia

63.7886, 65.5265, 80.5200

Deuteranopia

66.7860, 65.2676, 80.3121



Tritanopia

64.7100, 65.6361, 80.4926

Trichromacy



Original Color

64.5739, 65.5817, 79.7761

Protanomaly

64.0778, 65.6756, 80.5336

Deuteranomaly

65.7861, 65.1085, 80.3340

Tritanomaly

64.7100, 65.6361, 80.4926

Monochromacy



Original Color

64.5739, 65.5817, 79.7761

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.7994, 66.3929, 75.0982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5739, 65.5817, 79.7761 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(216, 209, 224) looks like.

```
.text, #text, p{  
    color:rgb(216, 209, 224)  
}
```

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(216, 209, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 209, 224) }
```

Border

The CSS property to change the border of an element to XYZ 64.5739, 65.5817, 79.7761 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(216, 209, 224) }
```


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

```
.border{ border-color:rgb(216, 209, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 209, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 209, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 209, 224);  
box-shadow:4px 4px 4px 4px rgb(216, 209,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5739, 65.5817, 79.7761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 209, 224) }
```

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

```
.background{ background-color: rgb(216,  
209, 224) }
```

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