

Converting Colors

XYZ(64.7639, 66.7003, 78.1759)

Have a look what the booklet for
XYZ(64.7639, 66.7003, 78.1759)
contains.

XYZ(64.9135, 66.9064, 77.8995)	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(64.9135, 66.9064,
77.8995)**

Conversions

Conversions Part 1

Format	Color
Hex	D8D4DD
RGB	216, 212, 221
RGB Percent	85%, 83%, 87%
CMY	0.1529, 0.1686, 0.1333
CMYK	0.02, 0.04, 0.00, 0.13
HSL	267°, 12%, 85%
HSV	267°, 4%, 87%
XYZ	64.9135, 66.9064, 77.8995
YIQ	214.2220, -0.5050, 3.6470

Conversions

Conversions Part 2

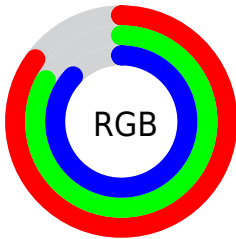
Format	Color
R _Y B	216, 212, 221
Decimal	14210269
CIE Lab	85.46, 3.01, -3.95
CIE LCh	85, 4.966, 307.270
Yxy	66.9064, 0.3095, 0.3190
Android (android.graphics.Color)	4292400349 (0xFFD8D4DD)
YUV	214.2220, 3.3416, 1.5593
Hunter-Lab	81.7963, -1.4861, 0.7920

Details

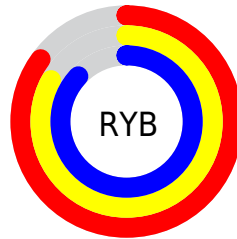
The XYZ color **64.9135, 66.9064, 77.8995** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.3580, 71.2199, 72.5402**, and the grayscale version is **64.0461, 67.3815, 73.3784**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.6378, 34.4442, 40.9519** is the 20% darker color. If you saturate the color by 10%, you get **56.2689, 54.8039, 76.0201**, and if you desaturate by 10%, it is **74.5895, 80.6668, 80.0466**.

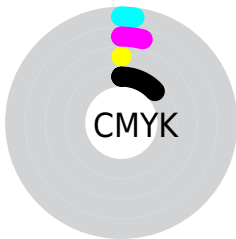
Distribution



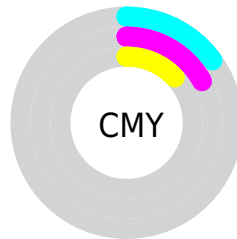
- Red (85%)
- Green (83%)
- Blue (87%)



- Red (85%)
- Yellow (83%)
- Blue (87%)



- Cyan (2%)
- Magenta (4%)
- Yellow (0%)
- Black (13%)



- Cyan (15%)
- Magenta (17%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.9135, 66.9064, 77.8995 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 64.9135, 66.9064, 77.8995 by changing the saturation by 10% instead.

■ 64.9135, 66.9064,
77.8995

■ 64.9135, 66.9064,
77.8995

432.0312,
449.6115, 507.3443

■ 47.6554, 49.0086,
57.4755

110.9919,
114.7863, 132.1930

■ 33.7642, 34.6263,
40.9752

140.5429,
145.5371, 166.8996

■ 22.8745, 23.3751,
27.9801

174.9222,
181.3411, 207.2041

■ 14.6211, 14.8707,
18.0718

214.4952,
222.5826, 253.5250

■ 8.6385, 8.7287,
10.8316

259.6272,
269.6459, 306.2810

■ 4.5613, 4.5647,
5.8409

310.6837,

■ 2.0243, 1.9942,

322.9156, 365.8905

2.6814

368.0299,
382.7760, 432.7721

■ 0.6476, 0.6041,
0.9340

■ 0.0000, 0.0000,
0.0000

■ 64.9135, 66.9064,
77.8995

■ 64.9135, 66.9064,
77.8995

■ 56.2689, 54.8039,
76.0201

■ 74.5895, 80.6668,
80.0466

■ 48.6133, 44.2867,
74.3936

■ 84.9396, 95.3654,
82.3382

■ 41.9102, 35.2892,
73.0102

■ 89.2652, 97.5953,
82.5406

■ 36.1180, 27.7381,
71.8579

■ 90.0513, 98.0005,
82.5774

■ 31.1922, 21.5537,
70.9239

■ 27.0837, 16.6485,
70.1936

■ 23.7382, 12.9242,
69.6511

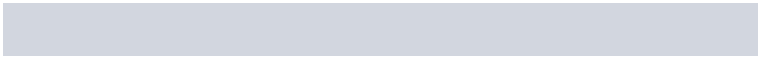
■ 21.0936, 10.2676,
69.2777

■ 19.0755, 8.5417,
69.0509

Harmonies

Analogous

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



63.8671, 66.9064, 79.1792



64.9135, 66.9064, 77.8995



65.6117, 66.9064, 75.2734

Triad

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



64.9135, 66.9064, 77.8995



64.4333, 66.9064, 67.2756



61.4676, 66.9064, 73.6377

Complementary

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



64.9135, 66.9064, 77.8995



66.3580, 71.2199, 72.5402

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.



61.6152, 66.9064, 70.4786



64.9135, 66.9064, 77.8995



63.3188, 66.9064, 66.8668

Square

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



64.9135, 66.9064, 77.8995



65.3322, 66.9064, 69.1566



62.2896, 66.9064, 68.0230



61.8841, 66.9064, 76.6719

Rectangle

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



64.9135, 66.9064, 77.8995



65.7811, 66.9064, 73.1456



62.2896, 66.9064, 68.0230



61.4530, 66.9064, 72.5546

Sweetspot

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



64.9154, 66.9093, 77.9010



93.7224, 98.1160, 108.6063



65.0437, 68.8972, 78.2779



20.0745, 21.0207, 23.2493



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.



64.9154, 66.9093, 77.9010



88.5573, 90.8138, 107.4691



66.2331, 67.5885, 77.9626



13.5958, 13.8966, 16.6179



10.6441, 4.6114, 40.0675



0.7876, 0.3493, 2.6004

Inverse Universe

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



65.8891, 67.4720, 75.2000



90.2180, 91.7738, 102.8571



65.0673, 70.5545, 72.4798



13.8838, 14.0630, 15.8176



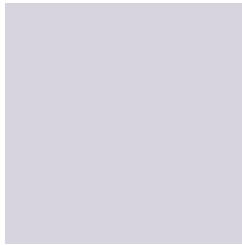
19.4509, 9.7814, 12.0202



1.3033, 0.6509, 1.0058

Previews

White Background



This preview shows how the XYZ color 64.9135, 66.9064, 77.8995 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 64.9135, 66.9064, 77.8995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

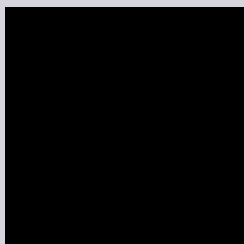
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

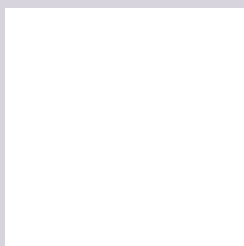
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.9135, 66.9064, 77.8995

Background



This preview shows how black text looks on a background with the XYZ color 64.9135, 66.9064, 77.8995.

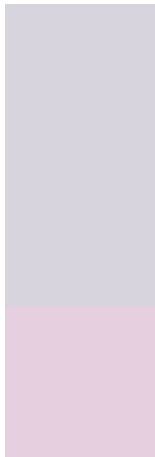


This preview shows how white text looks on a background with the XYZ color 64.9135, 66.9064,

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

64.9135, 66.9064, 77.8995

Protanopia

64.6190, 66.7545, 77.8857

Deuteranopia

68.1308, 66.7226, 78.3951



Tritanopia

65.9131, 66.9417, 82.8458

Trichromacy



Original Color

64.9135, 66.9064, 77.8995

Protanomaly

64.6190, 66.7545, 77.8857

Deuteranomaly

67.0366, 66.8824, 78.4836

Tritanomaly

65.5001, 66.7765, 80.6711

Monochromacy



Original Color

64.9135, 66.9064, 77.8995

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

64.3430, 67.0453, 75.1954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.9135, 66.9064, 77.8995 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, 212, 221) looks like.

```
.text, #text, p{  
    color:rgb(216, 212, 221)  
}
```

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, 212, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 212, 221) }
```

Border

The CSS property to change the border of an element to XYZ 64.9135, 66.9064, 77.8995 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, 212, 221) }
```


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

```
.border{ border-color:rgb(216, 212, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 212, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 212, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 212, 221);  
box-shadow:4px 4px 4px 4px rgb(216, 212,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 64.9135, 66.9064, 77.8995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 212, 221) }
```

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

```
.background{ background-color: rgb(216,  
212, 221) }
```

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