

Converting Colors

XYZ(63.4950, 66.1369, 77.8340)

Have a look what the booklet for
XYZ(63.4950, 66.1369, 77.8340)
contains.

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Color

**XYZ(63.4586, 66.1563,
77.8314)**

Conversions

Conversions Part 1

Format	Color
Hex	D3D4DD
RGB	211, 212, 221
RGB Percent	83%, 83%, 87%
CMY	0.1725, 0.1686, 0.1333
CMYK	0.05, 0.04, 0.00, 0.13
HSL	234°, 13%, 85%
HSV	234°, 5%, 87%
XYZ	63.4586, 66.1563, 77.8314
YIQ	212.7270, -3.4850, 2.5870

Conversions

Conversions Part 2

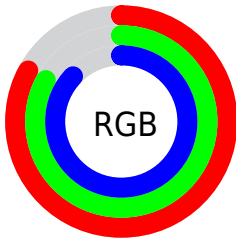
Format	Color
R _Y B	211, 212, 221
Decimal	13882589
CIE Lab	85.08, 1.33, -4.56
CIE LCh	85, 4.747, 286.311
Yxy	66.1563, 0.3059, 0.3189
Android (android.graphics.Color)	4292072669 (0xFFD3D4DD)
YUV	212.7270, 4.0786, -1.5146
Hunter-Lab	81.3365, -3.0736, 0.2006

Details

The XYZ color **63.4586, 66.1563, 77.8314** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.1700, 71.2610, 71.8436**, and the grayscale version is **63.0404, 66.3234, 72.2262**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.6502, 33.9350, 40.9057** is the 20% darker color. If you saturate the color by 10%, you get **52.8896, 53.7797, 76.0005**, and if you desaturate by 10%, it is **75.5139, 80.2114, 79.9099**.

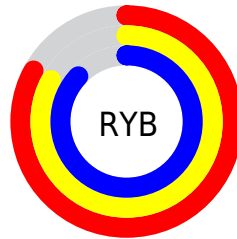
Distribution



Red (83%)

Green (83%)

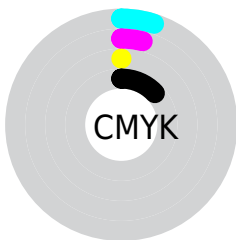
Blue (87%)



Red (83%)

Yellow (83%)

Blue (87%)

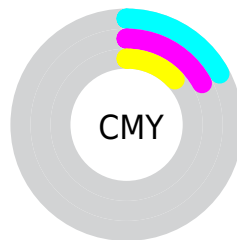


Cyan (5%)

Magenta (4%)

Yellow (0%)

Black (13%)



Cyan (17%)

Magenta (17%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.4586, 66.1563, 77.8314 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 63.4586, 66.1563, 77.8314 by changing the saturation by 10% instead.

■ 63.4586, 66.1563,
77.8314

■ 63.4586, 66.1563,
77.8314

426.8652,
446.9357, 507.1068

■ 46.4724, 48.3993,
57.4199

108.9090,
113.7106, 132.0961

■ 32.8249, 34.1432,
40.9308

138.1038,
144.2768, 166.7864

■ 22.1509, 23.0036,
27.9457

172.0989,
179.8814, 207.0733

■ 14.0851, 14.5962,
18.0461

211.2595,
220.9089, 253.3755

■ 8.2620, 8.5365,
10.8133

255.9511,
267.7437, 306.1113

■ 4.3162, 4.4401,
5.8288

306.5390,

■ 1.8826, 1.9227,

320.7701, 365.6995

2.6742

363.3886,
380.3727, 432.5585

■ 0.5667, 0.5620,
0.9304

■ 0.0000, 0.0000,
0.0000

■ 63.4586, 66.1563,
77.8314

■ 63.4586, 66.1563,
77.8314

■ 52.8896, 53.7797,
76.0005

■ 75.5139, 80.2114,
79.9099

■ 43.7439, 43.0106,
74.4039

■ 89.0297, 95.9574,
82.2368

■ 35.9620, 33.7855,
73.0335

■ 90.0513, 98.0005,
82.5774

■ 29.4784, 26.0334,
71.8789

■ 24.2220, 19.6777,
70.9291

■ 20.1149, 14.6348,
70.1722

■ 17.0702, 10.8121,
69.5948

■ 14.9881, 8.1050,
69.1820

■ 13.7499, 6.3904,
68.9164

Harmonies

Analogous

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



62.3944, 66.1563, 77.9048



63.4586, 66.1563, 77.8314



64.3775, 66.1563, 76.1759

Triad

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



63.4586, 66.1563, 77.8314



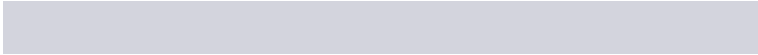
64.3100, 66.1563, 67.8598



60.9037, 66.1563, 70.6489

Complementary

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



63.4586, 66.1563, 77.8314



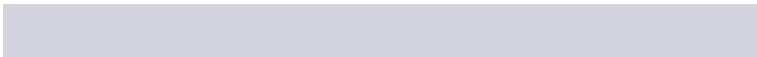
67.1700, 71.2610, 71.8436

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.



61.4050, 66.1563, 68.0430



63.4586, 66.1563, 77.8314



63.3672, 66.1563, 66.4638

Square

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



63.4586, 66.1563, 77.8314



64.8729, 66.1563, 70.3924



62.3041, 66.1563, 66.5299



60.9275, 66.1563, 73.6989

Rectangle

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



63.4586, 66.1563, 77.8314



64.7806, 66.1563, 74.4239



62.3041, 66.1563, 66.5299



61.0161, 66.1563, 69.6938

Sweetspot

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



63.4605, 66.1591, 77.8329



93.3905, 98.0645, 108.6139



65.6177, 70.7213, 77.7876



20.0069, 21.0103, 23.2509



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.



63.4605, 66.1591, 77.8329



86.9630, 90.5599, 107.5041



64.3219, 66.2320, 77.8015



13.3204, 13.8525, 16.6239



7.7883, 3.4460, 39.9931



0.5412, 0.2964, 2.6031

Inverse Universe

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



64.9982, 66.7155, 71.7422



89.3243, 91.4163, 98.1508



66.2802, 71.1944, 71.8777



13.7293, 14.0012, 15.0041



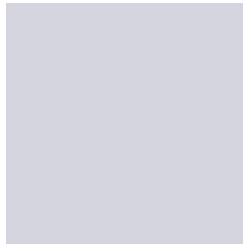
17.4265, 8.9716, 1.3600



1.1474, 0.5886, 0.1854

Previews

White Background



This preview shows how the XYZ color 63.4586, 66.1563, 77.8314 looks on a white background.

Color Contrast Check

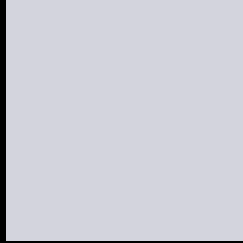
Large Text (above 18pt) WCAG AA × Fail

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 63.4586, 66.1563, 77.8314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

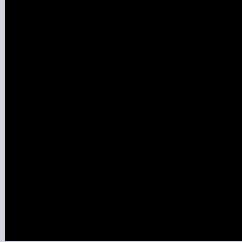
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

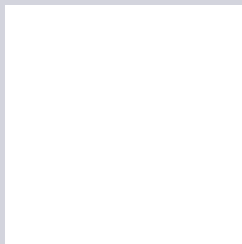
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.4586, 66.1563, 77.8314

Background



This preview shows how black text looks on a background with the XYZ color 63.4586, 66.1563, 77.8314.

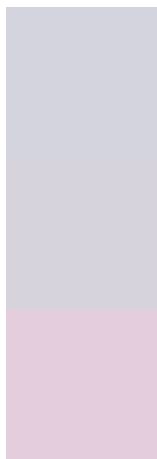


This preview shows how white text looks on a background with the XYZ color 63.4586, 66.1563,

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

63.4586, 66.1563, 77.8314

Protanopia

64.0770, 66.1051, 77.7890

Deuteranopia

67.2510, 65.9105, 78.2847



Tritanopia

64.4492, 66.1870, 82.7773

Trichromacy



Original Color

63.4586, 66.1563, 77.8314

Protanomaly

63.7860, 65.9551, 77.7753

Deuteranomaly

65.8649, 65.9153, 78.3587

Tritanomaly

64.0363, 66.0218, 80.6026

Monochromacy



Original Color

63.4586, 66.1563, 77.8314

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.3403, 66.5434, 74.4715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4586, 66.1563, 77.8314 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(211, 212, 221) looks like.

```
.text, #text, p{  
    color:rgb(211, 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(211, 212, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 212, 221) }
```

Border

The CSS property to change the border of an element to XYZ 63.4586, 66.1563, 77.8314 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(211, 212, 221) }
```


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

```
.border{ border-color:rgb(211, 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(211, 212, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 212, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 212, 221);  
box-shadow:4px 4px 4px 4px rgb(211, 212,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4586, 66.1563, 77.8314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 212, 221) }
```

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

```
.background{ background-color: rgb(211,  
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](#).

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