

Converting Colors

XYZ(64.9454, 69.7610, 77.2992)

Have a look what the booklet for
XYZ(64.9454, 69.7610, 77.2992)
contains.

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Color

**XYZ(64.6960, 69.4791,
77.0188)**

Conversions

Conversions Part 1

Format	Color
Hex	D2DBDB
RGB	210, 219, 219
RGB Percent	82%, 86%, 86%
CMY	0.1765, 0.1412, 0.1412
CMYK	0.04, 0.00, 0.00, 0.14
HSL	180°, 11%, 84%
HSV	180°, 4%, 86%
XYZ	64.6960, 69.4791, 77.0188
YIQ	216.3090, -5.3640, -1.9080

Conversions

Conversions Part 2

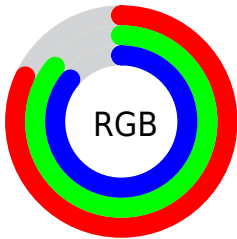
Format	Color
R_{YB}	210, 215, 219
Decimal	13818843
CIE Lab	86.74, -3.02, -1.06
CIE LCh	87, 3.201, 199.363
Yxy	69.4791, 0.3063, 0.3290
Android (android.graphics.Color)	4292008923 (0xFFD2DBDB)
YUV	216.3090, 1.3267, -5.5330
Hunter-Lab	83.3541, -7.3255, 3.5642

Details

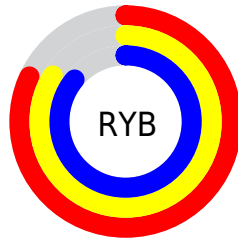
The XYZ color **64.6960, 69.4791, 77.0188** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.8954, 65.8082, 70.3106**, and the grayscale version is **65.4764, 68.8862, 75.0171**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.6866, 36.2992, 40.3529** is the 20% darker color. If you saturate the color by 10%, you get **58.8820, 66.4840, 76.7424**, and if you desaturate by 10%, it is **71.3672, 72.9200, 77.3382**.

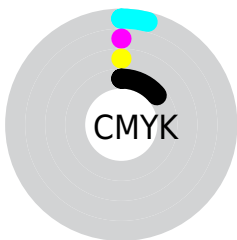
Distribution



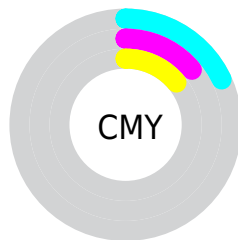
- Red (82%)
- Green (86%)
- Blue (86%)



- Red (82%)
- Yellow (84%)
- Blue (86%)



- Cyan (4%)
- Magenta (0%)
- Yellow (0%)
- Black (14%)



- Cyan (18%)
- Magenta (14%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6960, 69.4791, 77.0188 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 64.6960, 69.4791, 77.0188 by changing the saturation by 10% instead.

■ 64.6960, 69.4791,
77.0188

■ 64.6960, 69.4791,
77.0188

431.2612,
458.7189, 504.2675

■ 47.4784, 51.1020,
56.7567

110.6808,
118.4656, 130.9393

■ 33.6235, 36.2898,
40.4018

140.1788,
149.8438, 165.4347

■ 22.7661, 24.6581,
27.5358

174.5009,
186.3245, 205.5116

■ 14.5406, 15.8225,
17.7401

214.0125,
228.2920, 251.5885

■ 8.5818, 9.3986,
10.5960

259.0790,
276.1309, 304.0840

■ 4.5244, 5.0021,
5.6852

310.0657,

■ 2.0028, 2.2485,

330.2254, 363.4167

2.5889

367.3380,
390.9599, 430.0050

■ 0.6356, 0.7462,
0.8867

■ 0.0000, 0.0000,
0.0000

■ 64.6960, 69.4791,
77.0188

■ 64.6960, 69.4791,
77.0188

■ 58.8820, 66.4840,
76.7424

■ 71.3672, 72.9200,
77.3382

■ 53.8849, 63.9080,
76.5027

■ 78.9222, 76.8147,
77.6976

■ 49.6700, 61.7352,
76.2997

■ 79.3625, 77.0415,
77.7239

■ 46.1975, 59.9452,
76.1314

■ 79.3636, 77.0420,
77.7298

43.4246, 58.5159,
75.9959

79.3647, 77.0424,
77.7356

41.3037, 57.4226,
75.8909

79.3658, 77.0429,
77.7414

39.7816, 56.6381,
75.8139

79.3670, 77.0433,
77.7472

38.7966, 56.1305,
75.7620

79.3681, 77.0437,
77.7531

38.2737, 55.8610,
75.7317

79.3692, 77.0442,
77.7589

Harmonies

Analogous

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



64.6404, 69.4791, 74.8964



64.6960, 69.4791, 77.0188



65.1096, 69.4791, 78.8059

Triad

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



64.6960, 69.4791, 77.0188



67.1304, 69.4791, 78.3534



66.3025, 69.4791, 71.6915

Complementary

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



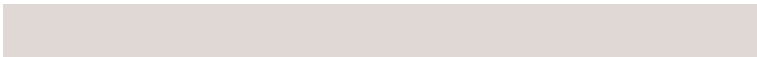
64.6960, 69.4791, 77.0188



63.8954, 65.8082, 70.3106

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.



66.9748, 69.4791, 72.5813



64.6960, 69.4791, 77.0188



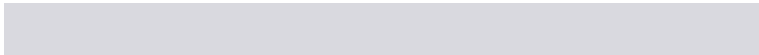
67.4552, 69.4791, 76.4105

Square

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



64.6960, 69.4791, 77.0188



66.5137, 69.4791, 79.5864



67.3980, 69.4791, 74.2993



65.5642, 69.4791, 71.8474

Rectangle

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



64.6960, 69.4791, 77.0188



65.5344, 69.4791, 79.5541



67.3980, 69.4791, 74.2993



66.5438, 69.4791, 71.8775

Sweetspot

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



64.6980, 69.4821, 77.0203



94.1179, 99.5195, 108.8556



63.5874, 69.0428, 70.9489



20.1549, 21.3063, 23.3000



0.0000, 0.0000, 0.0000



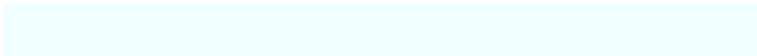
20.3446, 21.4041, 23.3091

Same Dimension

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



64.6980, 69.4821, 77.0203



90.5130, 97.6612, 108.6836



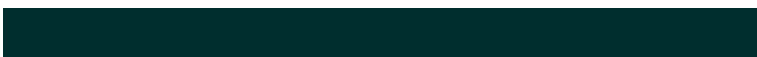
63.5779, 67.2411, 76.6492



13.9352, 15.0824, 16.8281



22.5955, 33.0708, 44.8970



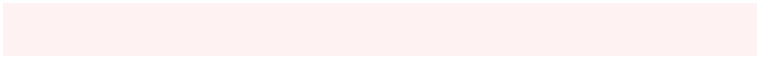
1.4639, 2.1425, 2.9090

Inverse Universe

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



63.8954, 65.8082, 70.3106



89.1319, 91.3393, 97.1378



64.9840, 67.9862, 70.6714



13.6961, 13.9880, 14.8294



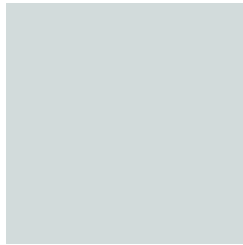
17.3225, 8.9301, 0.8126



1.1223, 0.5786, 0.0530

Previews

White Background



This preview shows how the XYZ color 64.6960, 69.4791, 77.0188 looks on a white background.

Color Contrast Check

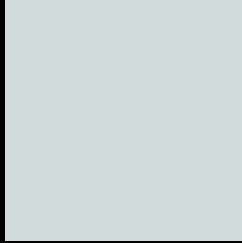
Large Text (above 18pt) WCAG AA × Fail

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 64.6960, 69.4791, 77.0188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

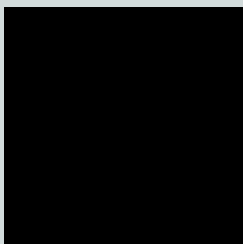
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

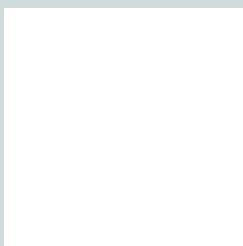
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.6960, 69.4791, 77.0188

Background



This preview shows how black text looks on a background with the XYZ color 64.6960, 69.4791, 77.0188.



This preview shows how white text looks on a background with the XYZ color 64.6960, 69.4791,

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

64.6960, 69.4791, 77.0188

Protanopia

66.8990, 69.4936, 75.5333

Deuteranopia

70.6898, 69.1465, 78.0275



Tritanopia

66.8155, 69.5633, 87.7474

Trichromacy



Original Color

64.6960, 69.4791, 77.0188

Protanomaly

66.0830, 69.4394, 76.2499

Deuteranomaly

68.3911, 69.0867, 77.4406

Tritanomaly

66.0782, 69.6488, 84.0896

Monochromacy



Original Color

64.6960, 69.4791, 77.0188

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

65.0688, 68.9316, 75.5213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6960, 69.4791, 77.0188 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(210, 219, 219) looks like.

```
.text, #text, p{  
    color:rgb(210, 219, 219)  
}
```

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(210, 219, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 219, 219) }
```

Border

The CSS property to change the border of an element to XYZ 64.6960, 69.4791, 77.0188 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(210, 219, 219) }
```


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

```
.border{ border-color:rgb(210, 219, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 219, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 219, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 219, 219);  
box-shadow:4px 4px 4px 4px rgb(210, 219,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6960, 69.4791, 77.0188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 219, 219) }
```

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

```
.background{ background-color: rgb(210,  
219, 219) }
```

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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