

Converting Colors

XYZ(64.7324, 70.0192, 77.6821)

Have a look what the booklet for
XYZ(64.7324, 70.0192, 77.6821)
contains.

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Color

**XYZ(64.5239, 69.7636,
77.7751)**

Conversions

Conversions Part 1

Format	Color
Hex	D0DCDC
RGB	208, 220, 220
RGB Percent	82%, 86%, 86%
CMY	0.1843, 0.1372, 0.1372
CMYK	0.05, 0.00, 0.00, 0.14
HSL	180°, 15%, 84%
HSV	180°, 5%, 86%
XYZ	64.5239, 69.7636, 77.7751
YIQ	216.4120, -7.1520, -2.5440

Conversions

Conversions Part 2

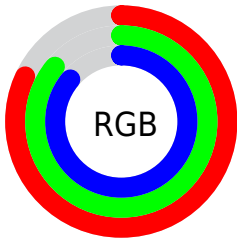
Format	Color
R _Y B	208, 214, 220
Decimal	13688028
CIE Lab	86.88, -4.01, -1.40
CIE LCh	87, 4.251, 199.244
Yxy	69.7636, 0.3043, 0.3290
Android (android.graphics.Color)	4291878108 (0xFFD0DCDC)
YUV	216.4120, 1.7689, -7.3773
Hunter-Lab	83.5246, -8.2744, 3.2585

Details

The XYZ color **64.5239, 69.7636, 77.7751** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.4588, 64.8833, 68.8569**, and the grayscale version is **65.5447, 68.9581, 75.0953**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.5731, 36.4969, 40.8724** is the 20% darker color. If you saturate the color by 10%, you get **58.7621, 66.7953, 77.5025**, and if you desaturate by 10%, it is **71.1477, 73.1801, 78.0909**.

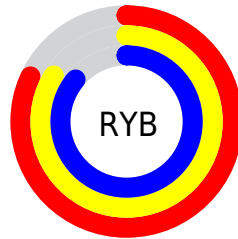
Distribution



Red (82%)

Green (86%)

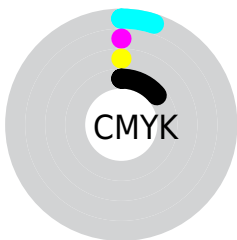
Blue (86%)



Red (82%)

Yellow (84%)

Blue (86%)

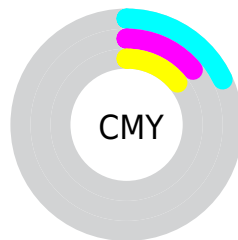


Cyan (5%)

Magenta (0%)

Yellow (0%)

Black (14%)



Cyan (18%)

Magenta (14%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5239, 69.7636, 77.7751 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 64.5239, 69.7636, 77.7751 by changing the saturation by 10% instead.

■ 64.5239, 69.7636,
77.7751

■ 64.5239, 69.7636,
77.7751

430.6514,
459.7195, 506.9104

■ 47.3384, 51.3338,
57.3739

110.4346,
118.8716, 132.0160

■ 33.5123, 36.4744,
40.8941

139.8905,
150.3186, 166.6928

■ 22.6803, 24.8008,
27.9173

174.1673,
186.8734, 206.9652

■ 14.4770, 15.9287,
18.0248

213.6303,
228.9205, 253.2518

■ 8.5371, 9.4737,
10.7982

258.6448,
276.8443, 305.9710

■ 4.4952, 5.0514,
5.8188

309.5763,

■ 1.9859, 2.2775,

331.0291, 365.5415

2.6682

366.7900,
391.8594, 432.3818

■ 0.6260, 0.7617,
0.9274

■ 0.0000, 0.0000,
0.0000

■ 64.5239, 69.7636,
77.7751

■ 64.5239, 69.7636,
77.7751

■ 58.7621, 66.7953,
77.5025

■ 71.1477, 73.1801,
78.0909

■ 53.8213, 64.2483,
77.2669

■ 78.6605, 77.0530,
78.4469

■ 49.6658, 62.1062,
77.0681

■ 79.7555, 77.6174,
78.5025

■ 46.2553, 60.3481,
76.9041

■ 79.7563, 77.6178,
78.5069

■ 43.5457, 58.9514,
76.7729

■ 79.7572, 77.6181,
78.5113

■ 41.4883, 57.8908,
76.6723

■ 79.7580, 77.6184,
78.5157

■ 40.0283, 57.1383,
76.5996

■ 79.7589, 77.6188,
78.5201

■ 39.1019, 56.6608,
76.5518

■ 79.7597, 77.6191,
78.5246

■ 38.6306, 56.4179,
76.5254

■ 79.7605, 77.6194,
78.5290

Harmonies

Analogous

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



64.4522, 69.7636, 74.9459



64.5239, 69.7636, 77.7751



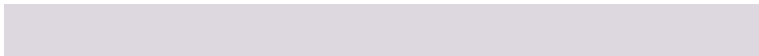
65.0709, 69.7636, 80.1736

Triad

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



64.5239, 69.7636, 77.7751



67.7634, 69.7636, 79.5825



66.6648, 69.7636, 70.7202

Complementary

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



64.5239, 69.7636, 77.7751



63.4588, 64.8833, 68.8569

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.



67.5611, 69.7636, 71.8981



64.5239, 69.7636, 77.7751



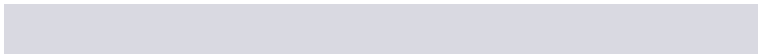
68.1995, 69.7636, 76.9846

Square

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



64.5239, 69.7636, 77.7751



66.9388, 69.7636, 81.2349



68.1251, 69.7636, 74.1747



65.6816, 69.7636, 70.9198

Rectangle

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



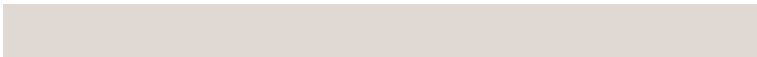
64.5239, 69.7636, 77.7751



65.6346, 69.7636, 81.1834



68.1251, 69.7636, 74.1747



66.9864, 69.7636, 70.9670

Sweetspot

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



64.5259, 69.7666, 77.7766



93.1983, 99.0454, 108.8121



63.0491, 69.1823, 69.7061



19.9677, 21.2098, 23.2912



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

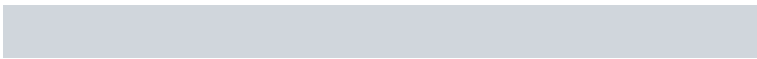
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.5259, 69.7666, 77.7766



88.7843, 96.7700, 108.6025



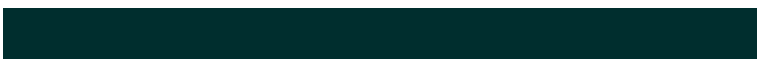
63.0299, 66.7739, 77.2802



13.6867, 14.9543, 16.8165



22.5972, 33.0715, 44.9055



1.4640, 2.1426, 2.9095

Inverse Universe

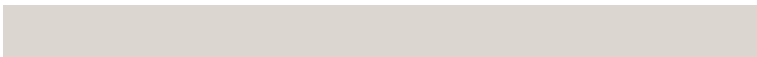
The Inverse Universe completely reimagines the original color for something new.



63.4588, 64.8833, 68.8569



86.8764, 88.0388, 92.6540



64.8989, 67.7642, 69.3349



13.3719, 13.5135, 14.1848



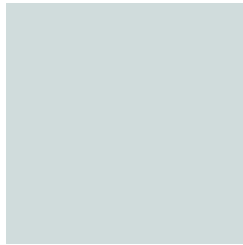
17.3224, 8.9300, 0.8121



1.1223, 0.5786, 0.0529

Previews

White Background



This preview shows how the XYZ color 64.5239, 69.7636, 77.7751 looks on a white background.

Color Contrast Check

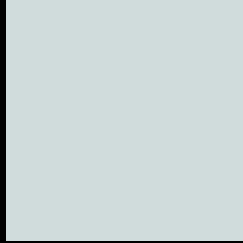
Large Text (above 18pt) WCAG AA × Fail

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 64.5239, 69.7636, 77.7751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

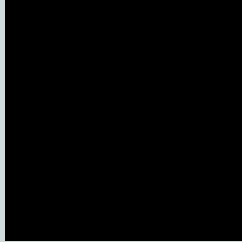
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

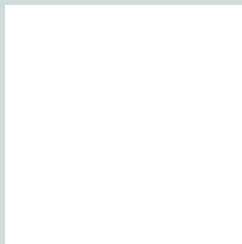
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.5239, 69.7636, 77.7751

Background



This preview shows how black text looks on a background with the XYZ color 64.5239, 69.7636, 77.7751.

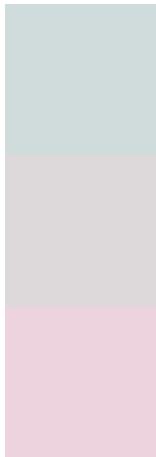


This preview shows how white text looks on a background with the XYZ color 64.5239, 69.7636,

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

64.5239, 69.7636, 77.7751

Protanopia

67.0295, 69.5458, 76.2205

Deuteranopia

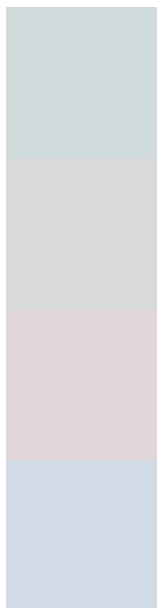
71.0712, 69.6953, 78.8139



Tritanopia

66.6451, 69.8426, 88.5657

Trichromacy



Original Color

64.5239, 69.7636, 77.7751

Protanomaly

65.9179, 69.3391, 76.9274

Deuteranomaly

68.4617, 69.4823, 78.2097

Tritanomaly

65.9089, 69.9315, 84.8873

Monochromacy



Original Color

64.5239, 69.7636, 77.7751

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.7778, 68.7816, 75.5077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5239, 69.7636, 77.7751 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(208, 220, 220) looks like.

```
.text, #text, p{  
    color:rgb(208, 220, 220)  
}
```

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(208, 220, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 220, 220) }
```

Border

The CSS property to change the border of an element to XYZ 64.5239, 69.7636, 77.7751 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(208, 220, 220) }
```


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

```
.border{ border-color:rgb(208, 220, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 220, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 220, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 220, 220);  
box-shadow:4px 4px 4px 4px rgb(208, 220,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5239, 69.7636, 77.7751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 220, 220) }
```

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

```
.background{ background-color: rgb(208,  
220, 220) }
```

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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