

# Converting Colors

XYZ(63.9057, 69.0376, 76.9023)

Have a look what the booklet for  
XYZ(63.9057, 69.0376, 76.9023)  
contains.

<b>XYZ(63.8498, 69.0429, 76.9792)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(63.8498, 69.0429,  
76.9792)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFDBDB
RGB	207, 219, 219
RGB Percent	81%, 86%, 86%
CMY	0.1882, 0.1412, 0.1412
CMYK	0.05, 0.00, 0.00, 0.14
HSL	180°, 14%, 84%
HSV	180°, 5%, 86%
XYZ	63.8498, 69.0429, 76.9792
YIQ	215.4120, -7.1520, -2.5440

# Conversions

## Conversions Part 2

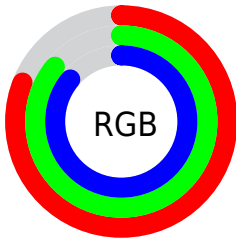
Format	Color
R <sub>Y</sub> B	207, 213, 219
Decimal	13622235
CIE Lab	86.53, -4.02, -1.40
CIE LCh	87, 4.255, 199.241
Yxy	69.0429, 0.3042, 0.3290
Android (android.graphics.Color)	4291812315 (0xFFCFDBDB)
YUV	215.4120, 1.7689, -7.3773
Hunter-Lab	83.0921, -8.2477, 3.2362

# Details

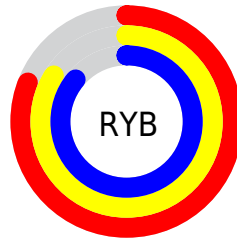
The XYZ color **63.8498, 69.0429, 76.9792** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.7912, 64.1925, 68.1156**, and the grayscale version is **64.8640, 68.2420, 74.3155**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.1132, 36.0036, 40.3261** is the 20% darker color. If you saturate the color by 10%, you get **58.1503, 66.1067, 76.7095**, and if you desaturate by 10%, it is **70.4019, 72.4224, 77.2916**.

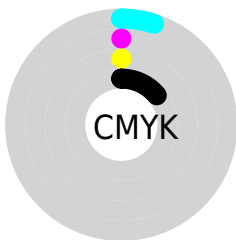
# Distribution



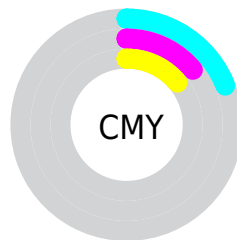
- Red (81%)
- Green (86%)
- Blue (86%)



- Red (81%)
- Yellow (84%)
- Blue (86%)



- Cyan (5%)
- Magenta (0%)
- Yellow (0%)
- Black (14%)



- Cyan (19%)
- Magenta (14%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8498, 69.0429, 76.9792 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 63.8498, 69.0429, 76.9792 by changing the saturation by 10% instead.



■ 63.8498, 69.0429,  
76.9792

■ 63.8498, 69.0429,  
76.9792

428.2579,  
457.1823, 504.1289

■ 46.7903, 50.7466,  
56.7243

109.4695,  
117.8428, 130.8829

■ 33.0771, 36.0070,  
40.3761

138.7604,  
149.1153, 165.3688

■ 22.3451, 24.4396,  
27.5159

172.8592,  
185.4820, 205.4354

■ 14.2287, 15.6600,  
17.7252

212.1311,  
227.3273, 251.5013

■ 8.3627, 9.2839,  
10.5855

256.9416,  
275.0356, 303.9851

■ 4.3816, 4.9268,  
5.6782

307.6560,

■ 1.9202, 2.2044,

328.9912, 363.3053

2.5848

364.6396,  
389.5787, 429.8804

■ 0.5885, 0.7224,  
0.8846

■ 0.0000, 0.0000,  
0.0000

■ 63.8498, 69.0429,  
76.9792

■ 63.8498, 69.0429,  
76.9792

■ 58.1503, 66.1067,  
76.7095

■ 70.4019, 72.4224,  
77.2916

■ 53.2629, 63.5873,  
76.4764


■ 77.8334, 76.2535,  
77.6438


■ 49.1523, 61.4683,  
76.2797


■ 79.3617, 77.0412,  
77.7197


■ 45.7786, 59.7291,  
76.1174


■ 79.3626, 77.0415,  
77.7241


 43.0981, 58.3474,  
75.9876


 79.3634, 77.0419,  
77.7285


 41.0629, 57.2983,  
75.8880


 79.3642, 77.0422,  
77.7329


 39.6185, 56.5538,  
75.8161

 79.3651, 77.0426,  
77.7373

 38.7019, 56.0814,  
75.7688

 79.3659, 77.0429,  
77.7417

 38.2356, 55.8411,  
75.7426

 79.3667, 77.0432,  
77.7461

# Harmonies

## Analogous

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



63.7786, 69.0429, 74.1672



63.8498, 69.0429, 76.9792



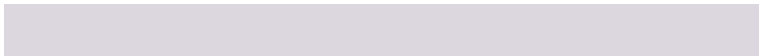
64.3934, 69.0429, 79.3634

# Triad

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



63.8498, 69.0429, 76.9792



67.0695, 69.0429, 78.7762



65.9777, 69.0429, 69.9679

# Complementary

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



63.8498, 69.0429, 76.9792



62.7912, 64.1925, 68.1156

# 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.



66.8685, 69.0429, 71.1385



63.8498, 69.0429, 76.9792



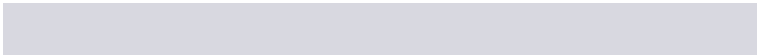
67.5031, 69.0429, 76.1939

# Square

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



63.8498, 69.0429, 76.9792



66.2499, 69.0429, 80.4187



67.4291, 69.0429, 73.4011



65.0005, 69.0429, 70.1662



# Rectangle

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



63.8498, 69.0429, 76.9792



64.9537, 69.0429, 80.3673



67.4291, 69.0429, 73.4011



66.2973, 69.0429, 70.2132

# Sweetspot

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



63.8518, 69.0458, 76.9807



93.1983, 99.0454, 108.8121



62.3840, 68.4652, 68.9596



19.9677, 21.2098, 23.2912



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

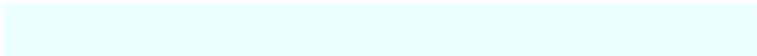


# Same Dimension

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



63.8518, 69.0458, 76.9807



88.7843, 96.7700, 108.6024



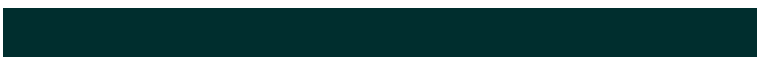
62.3648, 66.0712, 76.4873



13.6867, 14.9543, 16.8165



22.5971, 33.0715, 44.9052



1.4640, 2.1426, 2.9095



# Inverse Universe

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



62.7912, 64.1925, 68.1156



86.8764, 88.0388, 92.6540



64.2224, 67.0555, 68.5906



13.3719, 13.5135, 14.1848



17.3224, 8.9300, 0.8121

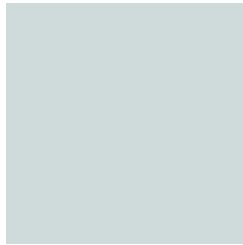


1.1223, 0.5786, 0.0529



# Previews

## White Background



This preview shows how the XYZ color 63.8498, 69.0429, 76.9792 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

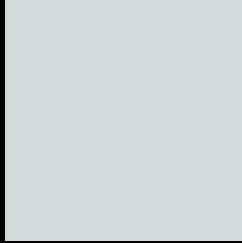
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.8498, 69.0429, 76.9792 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

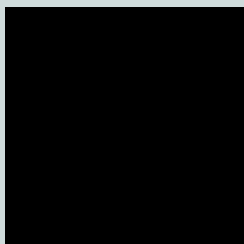
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

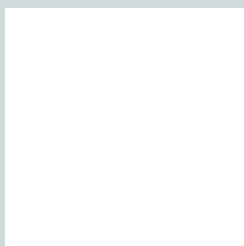
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 63.8498, 69.0429, 76.9792**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.8498, 69.0429, 76.9792.



This preview shows how white text looks on a background with the XYZ color 63.8498, 69.0429,



# 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

63.8498, 69.0429, 76.9792

### Protanopia

66.3400, 68.8263, 75.4339

### Deuteranopia

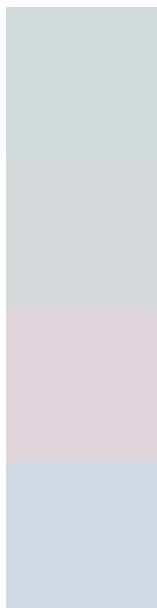
70.3587, 68.9758, 78.0120



## Tritanopia

65.9586, 69.1215, 87.7073

# Trichromacy



## Original Color

63.8498, 69.0429, 76.9792

## Protanomaly

65.2351, 68.6208, 76.1365

## Deuteranomaly

67.7639, 68.7634, 77.4113

## Tritanomaly

65.2267, 69.2098, 84.0498

# Monochromacy



## Original Color

63.8498, 69.0429, 76.9792

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

64.1019, 68.0667, 74.7254

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.8498, 69.0429, 76.9792 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(207, 219, 219)` looks like.

```
.text, #text, p{  
    color:rgb(207, 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(207, 219, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 219, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 63.8498, 69.0429, 76.9792 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(207, 219, 219) }
```



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

```
.border{ border-color:rgb(207, 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(207, 219, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 219, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 219, 219);  
box-shadow:4px 4px 4px 4px rgb(207, 219,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.8498, 69.0429, 76.9792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 219, 219) }
```

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

```
.background{ background-color: rgb(207,  
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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