

Converting Colors

XYZ(63.8569, 70.1036, 70.5752)

Have a look what the booklet for
XYZ(63.8569, 70.1036, 70.5752)
contains.

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Color

**XYZ(63.6596, 69.8717,
70.4530)**

Conversions

Conversions Part 1

Format	Color
Hex	D1DDD1
RGB	209, 221, 209
RGB Percent	82%, 87%, 82%
CMY	0.1804, 0.1333, 0.1804
CMYK	0.05, 0.00, 0.05, 0.13
HSL	120°, 15%, 84%
HSV	120°, 5%, 87%
XYZ	63.6596, 69.8717, 70.4530
YIQ	216.0440, -3.3000, -6.2760

Conversions

Conversions Part 2

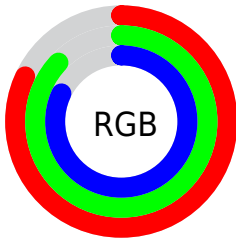
Format	Color
R _Y B	209, 221, 221
Decimal	13753809
CIE Lab	86.93, -6.21, 4.49
CIE LCh	87, 7.664, 144.168
Yxy	69.8717, 0.3121, 0.3425
Android (android.graphics.Color)	4291943889 (0xFFD1DDD1)
YUV	216.0440, -3.4727, -6.1776
Hunter-Lab	83.5893, -10.3399, 8.5401

Details

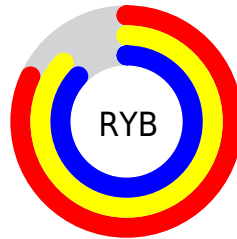
The XYZ color **63.6596, 69.8717, 70.4530** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.6730, 66.1953, 77.7257**, and the grayscale version is **65.3264, 68.7285, 74.8453**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.0702, 36.6076, 36.3333** is the 20% darker color. If you saturate the color by 10%, you get **55.2862, 65.8516, 56.7552**, and if you desaturate by 10%, it is **73.2839, 74.4968, 86.1935**.

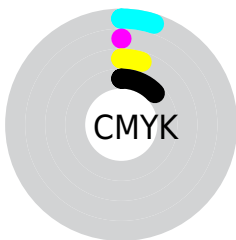
Distribution



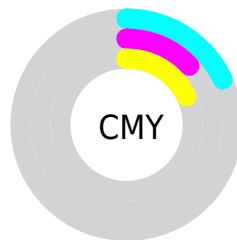
- Red (82%)
- Green (87%)
- Blue (82%)



- Red (82%)
- Yellow (87%)
- Blue (87%)



- Cyan (5%)
- Magenta (0%)
- Yellow (5%)
- Black (13%)



- Cyan (18%)
- Magenta (13%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6596, 69.8717, 70.4530 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 63.6596, 69.8717, 70.4530 by changing the saturation by 10% instead.

■ 63.6596, 69.8717,
70.4530

■ 63.6596, 69.8717,
70.4530

427.5811,
460.0994, 480.9710

■ 46.6357, 51.4219,
51.4168

109.1970,
119.0258, 121.5417

■ 32.9545, 36.5445,
36.1614

138.4413,
150.4989, 154.4313

■ 22.2506, 24.8550,
24.2682

172.4896,
187.0819, 192.7759

■ 14.1588, 15.9691,
15.3187

211.7075,
229.1592, 236.9938

■ 8.3136, 9.5023,
8.8942

256.4602,
277.1152, 287.5038

■ 4.3498, 5.0702,
4.5764

307.1132,

■ 1.9019, 2.2885,

331.3343, 344.7243

1.9466

364.0317,
392.2009, 409.0738

■ 0.5779, 0.7676,
0.5221

■ 0.0000, 0.0000,
0.0000

■ 63.6596, 69.8717,
70.4530

■ 63.6596, 69.8717,
70.4530

■ 55.2862, 65.8516,
56.7552

■ 73.2839, 74.4968,
86.1935

■ 48.1069, 62.4030,
45.0122

■ 84.2014, 79.7410,
104.0508

■ 42.0690, 59.5027,
35.1361

■ 85.1478, 80.1956,
105.5993

■ 37.1137, 57.1224,
27.0309

■ 33.1772, 55.2315,
20.5919

■ 30.1886, 53.7959,
15.7034

■ 28.0681, 52.7774,
12.2350

■ 26.7231, 52.1313,
10.0348

■ 26.0395, 51.8029,
8.9166

Harmonies

Analogous

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



65.0118, 69.8717, 67.4355



63.6596, 69.8717, 70.4530



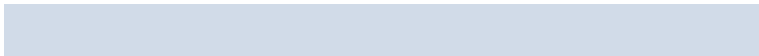
63.0457, 69.8717, 75.0813

Triad

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



63.6596, 69.8717, 70.4530



66.0619, 69.8717, 86.3112



69.6006, 69.8717, 72.1139

Complementary

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



63.6596, 69.8717, 70.4530



65.6730, 66.1953, 77.7257

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.



69.8939, 69.8717, 77.0843



63.6596, 69.8717, 70.4530



67.8300, 69.8717, 85.4299

Square

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



63.6596, 69.8717, 70.4530



64.4165, 69.8717, 84.3525



69.2405, 69.8717, 81.9956



68.4461, 69.8717, 68.3639

Rectangle

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



63.6596, 69.8717, 70.4530



63.1296, 69.8717, 78.5166



69.2405, 69.8717, 81.9956



69.8041, 69.8717, 73.6912

Sweetspot

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



63.6615, 69.8747, 70.4545



92.3882, 98.7214, 104.5461



67.1870, 71.6921, 70.6193



19.8027, 21.1438, 22.4228



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.



63.6615, 69.8747, 70.4545



86.0432, 95.6736, 94.1679



64.4189, 70.1776, 74.4426



13.2344, 14.7733, 14.4347



15.0204, 30.0408, 5.0069



0.9731, 1.9462, 0.3244

Inverse Universe

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



65.6730, 66.1953, 77.7257



89.6176, 89.1352, 107.0889



64.8874, 65.8811, 73.5886



13.8242, 13.6945, 16.5668



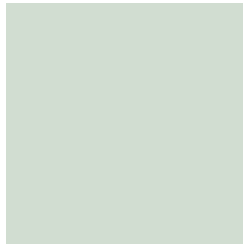
24.9034, 11.9624, 40.7329



1.6134, 0.7750, 2.6389

Previews

White Background



This preview shows how the XYZ color 63.6596, 69.8717, 70.4530 looks on a white background.

Color Contrast Check

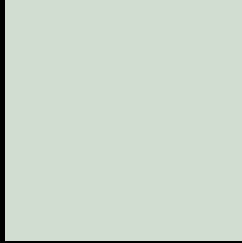
Large Text (above 18pt) WCAG AA × Fail

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 63.6596, 69.8717, 70.4530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

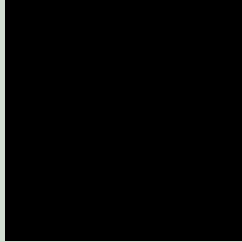
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

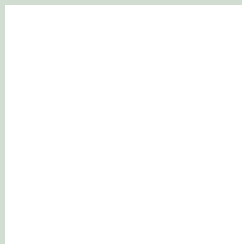
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.6596, 69.8717, 70.4530

Background



This preview shows how black text looks on a background with the XYZ color 63.6596, 69.8717, 70.4530.

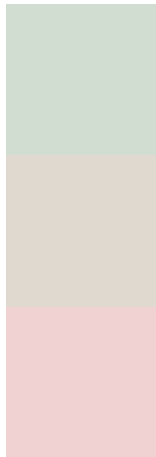


This preview shows how white text looks on a background with the XYZ color 63.6596, 69.8717,

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

63.6596, 69.8717, 70.4530

Protanopia

66.8158, 69.9780, 69.0170

Deuteranopia

71.0801, 69.4971, 71.2960



Tritanopia

67.1047, 69.7124, 87.7609

Trichromacy



Original Color

63.6596, 69.8717, 70.4530

Protanomaly

65.6700, 69.7569, 69.6778

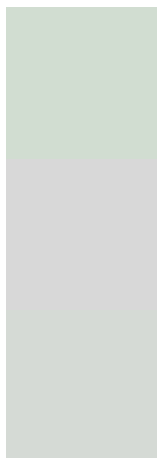
Deuteranomaly

67.9925, 69.4043, 70.7855

Tritanomaly

65.8134, 69.5761, 81.1950

Monochromacy



Original Color

63.6596, 69.8717, 70.4530

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.5222, 69.0930, 72.8864

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6596, 69.8717, 70.4530 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(209, 221, 209) looks like.

```
.text, #text, p{  
    color:rgb(209, 221, 209)  
}
```

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(209, 221, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 221, 209) }
```

Border

The CSS property to change the border of an element to XYZ 63.6596, 69.8717, 70.4530 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(209, 221, 209) }
```


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

```
.border{ border-color:rgb(209, 221, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 221, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 221, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 221, 209);  
box-shadow:4px 4px 4px 4px rgb(209, 221,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6596, 69.8717, 70.4530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 221, 209) }
```

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

```
.background{ background-color: rgb(209,  
221, 209) }
```

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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