

Converting Colors

XYZ(63.9815, 70.8921, 59.3489)

Have a look what the booklet for
XYZ(63.9815, 70.8921, 59.3489)
contains.

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Color

**XYZ(64.1105, 71.1359,
59.6418)**

Conversions

Conversions Part 1

Format	Color
Hex	D8DFBF
RGB	216, 223, 191
RGB Percent	85%, 87%, 75%
CMY	0.1529, 0.1255, 0.2510
CMYK	0.03, 0.00, 0.14, 0.13
HSL	73°, 33%, 81%
HSV	73°, 14%, 87%
XYZ	64.1105, 71.1359, 59.6418
YIQ	217.2590, 6.1000, -11.4360

Conversions

Conversions Part 2

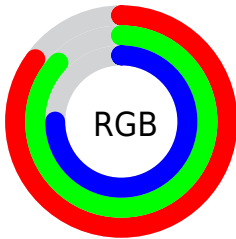
Format	Color
RYB	191, 223, 198
Decimal	14213055
CIELab	87.55, -7.84, 14.89
CIELCh	88, 16.833, 117.770
Yxy	71.1359, 0.3290, 0.3650
Android (android.graphics.Color)	4292403135 (0xFFD8DFBF)
YUV	217.2590, -12.9457, -1.1041
Hunter-Lab	84.3421, -11.9164, 17.1131

Details

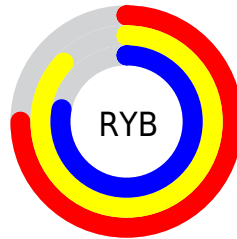
The XYZ color **64.1105, 71.1359, 59.6418** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **55.2417, 54.5970, 77.4427**, and the grayscale version is **66.2157, 69.6640, 75.8641**.

A 20% lighter version of the original color is **93.7885, 99.4954, 102.2570**, and **33.2880, 37.4173, 29.5126** is the 20% darker color. If you saturate the color by 10%, you get **60.4208, 69.4982, 47.6192**, and if you desaturate by 10%, it is **68.2206, 72.9514, 73.6376**.

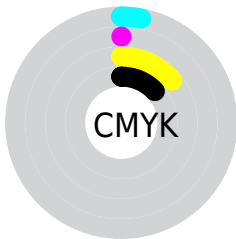
Distribution



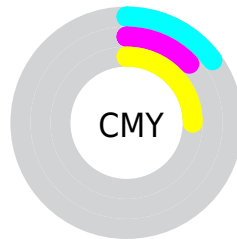
- Red (85%)
- Green (87%)
- Blue (75%)



- Red (75%)
- Yellow (87%)
- Blue (78%)



- Cyan (3%)
- Magenta (0%)
- Yellow (14%)
- Black (13%)



- Cyan (15%)
- Magenta (13%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1105, 71.1359, 59.6418 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 64.1105, 71.1359, 59.6418 by changing the saturation by 10% instead.

■ 64.1105, 71.1359,
59.6418

■ 64.1105, 71.1359,
59.6418

429.1845,
464.5284, 441.0441

■ 47.0022, 52.4531,
42.7066

■ 109.8429,
120.8272, 105.8482

■ 33.2453, 37.3664,
29.3253

139.1977,
152.6045, 135.9564

■ 22.4746, 25.4913,
19.0793

173.3654,
189.5155, 171.2927

■ 14.3246, 16.4435,
11.5502

212.7113,
231.9444, 212.2756

■ 8.4300, 9.8385,
6.3194

257.6008,
280.2758, 259.3236

■ 4.4254, 5.2920,
2.9683

308.3993,

■ 1.9455, 2.4196,

334.8940, 312.8554

1.0785

365.4721,
396.1834, 373.2894

■ 0.6031, 0.8359,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.1105, 71.1359,
59.6418

■ 64.1105, 71.1359,
59.6418

■ 60.4208, 69.4982,
47.6192

■ 68.2206, 72.9514,
73.6376

■ 57.1285, 68.0221,
37.4764

■ 72.7615, 74.9418,
89.6850

■ 54.2172, 66.7032,
29.1194

■ 77.2793, 76.9281,
105.3833

■ 51.6665, 65.5334,
22.4444

■ 78.8737, 77.7500,
105.4579

■ 49.4545, 64.5038,
17.3367

■ 80.5124, 78.5947,
105.5346

■ 47.5563, 63.6045,
13.6673

■ 82.1956, 79.4625,
105.6134

■ 45.9430, 62.8238,
11.2869

■ 83.9239, 80.3534,
105.6942

■ 44.5797, 62.1478,
10.0134

■ 85.6792, 81.2583,
105.7764

■ 43.8881, 61.7994,
9.6153

Harmonies

Analogous

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



67.9106, 71.1359, 57.5605



64.1105, 71.1359, 59.6418



61.3456, 71.1359, 66.3483

Triad

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



64.1105, 71.1359, 59.6418



63.6142, 71.1359, 97.5054



75.5484, 71.1359, 78.3104

Complementary

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



64.1105, 71.1359, 59.6418



55.2417, 54.5970, 77.4427

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.



74.2924, 71.1359, 89.7366



64.1105, 71.1359, 59.6418



67.3153, 71.1359, 101.4744

Square

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



64.1105, 71.1359, 59.6418



61.0671, 71.1359, 88.1178



71.2398, 71.1359, 98.5025



74.6097, 71.1359, 67.6889

Rectangle

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



64.1105, 71.1359, 59.6418



60.4084, 71.1359, 72.9060



71.2398, 71.1359, 98.5025



75.3678, 71.1359, 82.1892

Sweetspot

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



64.1124, 71.1390, 59.6433



92.6343, 98.9394, 100.4411



60.0167, 59.8094, 57.6724



19.7326, 21.1353, 21.1689



0.0000, 0.0000, 0.0000



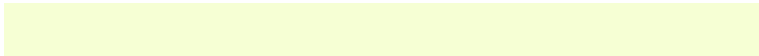
20.3446, 21.4041, 23.3091

Same Dimension

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



64.1124, 71.1390, 59.6433



85.4345, 95.7605, 76.0369



59.6313, 68.8289, 59.4336



14.5629, 15.8703, 14.6025



25.9041, 36.3866, 5.6580



1.8691, 2.5600, 0.3956

Inverse Universe

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



55.2417, 54.5970, 77.4427



71.3670, 69.5260, 104.2662



59.6646, 56.8772, 77.6497



13.2312, 13.3872, 17.2743



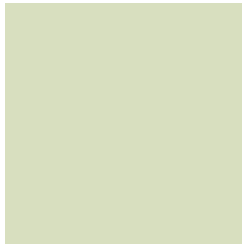
8.6498, 3.5545, 41.2785



0.6757, 0.2856, 2.8648

Previews

White Background



This preview shows how the XYZ color 64.1105, 71.1359, 59.6418 looks on a white background.

Color Contrast Check

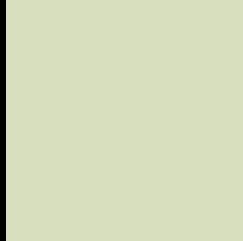
Large Text (above 18pt) WCAG AA × Fail

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 64.1105, 71.1359, 59.6418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

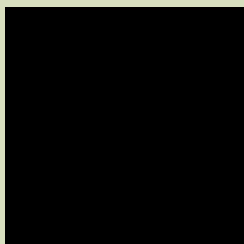
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

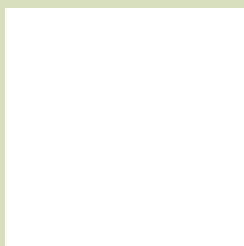
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.1105, 71.1359, 59.6418

Background



This preview shows how black text looks on a background with the XYZ color 64.1105, 71.1359, 59.6418.



This preview shows how white text looks on a background with the XYZ color 64.1105, 71.1359,

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

64.1105, 71.1359, 59.6418

Protanopia

67.1500, 71.1602, 58.3402

Deuteranopia

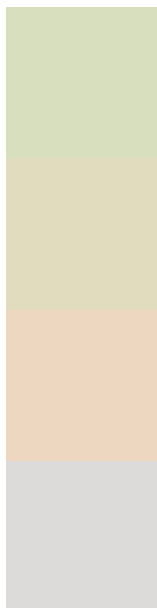
72.3442, 70.7628, 60.2977



Tritanopia

69.7883, 71.0958, 87.8865

Trichromacy



Original Color

64.1105, 71.1359, 59.6418

Protanomaly

65.9388, 70.9117, 58.9272

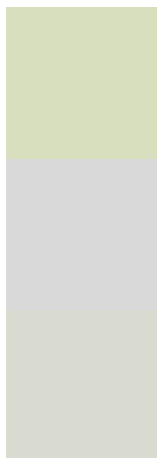
Deuteranomaly

69.0748, 70.5838, 59.8526

Tritanomaly

67.5016, 70.9406, 76.4649

Monochromacy



Original Color

64.1105, 71.1359, 59.6418

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.3320, 69.9688, 69.7365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1105, 71.1359, 59.6418 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(216, 223, 191)` looks like.

```
.text, #text, p{  
    color:rgb(216, 223, 191)  
}
```

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(216, 223, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 223, 191) }
```

Border

The CSS property to change the border of an element to XYZ 64.1105, 71.1359, 59.6418 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(216, 223, 191) }
```


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

```
.border{ border-color:rgb(216, 223, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 223, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 223, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 223, 191);  
box-shadow:4px 4px 4px 4px rgb(216, 223,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1105, 71.1359, 59.6418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 223, 191) }
```

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

```
.background{ background-color: rgb(216,  
223, 191) }
```

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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