

Converting Colors

XYZ(68.2710, 75.2002, 51.3757)

Have a look what the booklet for
XYZ(68.2710, 75.2002, 51.3757)
contains.

XYZ(68.1619, 75.0222, 51.4457)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.1619, 75.0222,
51.4457)**

Conversions

Conversions Part 1

Format	Color
Hex	E7E3AF
RGB	231, 227, 175
RGB Percent	91%, 89%, 69%
CMY	0.0941, 0.1098, 0.3137
CMYK	0.00, 0.02, 0.24, 0.09
HSL	56°, 54%, 80%
HSV	56°, 24%, 91%
XYZ	68.1619, 75.0222, 51.4457
YIQ	222.2680, 19.0760, -15.3240

Conversions

Conversions Part 2

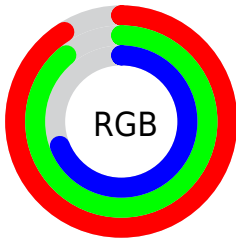
Format	Color
RYB	179, 231, 175
Decimal	15197103
CIELab	89.40, -6.78, 25.96
CIElCh	89, 26.827, 104.637
Yxy	75.0222, 0.3502, 0.3855
Android (android.graphics.Color)	4293387183 (0xFFE7E3AF)
YUV	222.2680, -23.3031, 7.6580
Hunter-Lab	86.6154, -11.1064, 25.4151

Details

The XYZ color **68.1619, 75.0222, 51.4457** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **48.2229, 47.1226, 82.1555**, and the grayscale version is **69.7723, 73.4059, 79.9390**.

A 20% lighter version of the original color is **91.4238, 98.5495, 89.8047**, and **35.9446, 40.0241, 24.2433** is the 20% darker color. If you saturate the color by 10%, you get **65.6367, 73.2970, 40.3520**, and if you desaturate by 10%, it is **71.0835, 76.9180, 64.5880**.

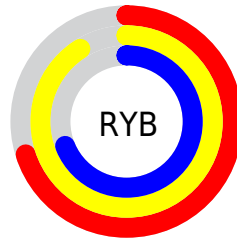
Distribution



Red (91%)

Green (89%)

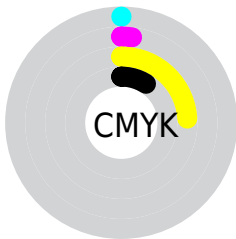
Blue (69%)



Red (70%)

Yellow (91%)

Blue (69%)

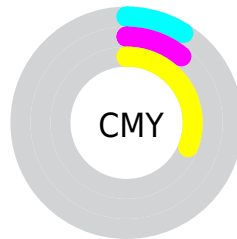


Cyan (0%)

Magenta (2%)

Yellow (24%)

Black (9%)



Cyan (9%)

Magenta (11%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1619, 75.0222, 51.4457 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 68.1619, 75.0222, 51.4457 by changing the saturation by 10% instead.

■ 68.1619, 75.0222,
51.4457

■ 68.1619, 75.0222,
51.4457

443.4372,
477.9939, 409.1888

■ 50.3036, 55.6311,
36.1843

■ 115.6244,
126.3438, 93.7315

■ 35.8735, 39.9072,
24.2857

145.9592,
159.0430, 121.5929

■ 24.5062, 27.4662,
15.3315

181.1837,
196.9471, 154.4914

■ 15.8363, 17.9237,
8.9032

221.6631,
240.4404, 192.8455

■ 9.4985, 10.8952,
4.5821

267.7628,
289.9074, 237.0738

■ 5.1274, 5.9964,
1.9498

319.8481,

■ 2.3577, 2.8429,

345.7323, 287.5947

0.5242

378.2845,
408.2997, 344.8269

■ 0.8240, 1.0503,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.1619, 75.0222,
51.4457

■ 68.1619, 75.0222,
51.4457

■ 65.6367, 73.2970,
40.3520

■ 71.0835, 76.9180,
64.5880

■ 63.4822, 71.7244,
31.1983

■ 74.4140, 78.9817,
79.8709

■ 61.6790, 70.2992,
23.8728

■ 78.1725, 81.2236,
97.3863

■ 60.2033, 69.0118,
18.2508

■ 80.3133, 82.8253,
106.3617

■ 59.0284, 67.8515,
14.1918

■ 80.7835, 83.7658,
106.5184

■ 58.1233, 66.8060,
11.5329

■ 81.2581, 84.7151,
106.6766

■ 57.4504, 65.8601,
10.0754

■ 81.7372, 85.6731,
106.8363

■ 57.1341, 65.3471,
9.6020

■ 82.2206, 86.6399,
106.9974

■ 82.7084, 87.6155,
107.1600

Harmonies

Analogous

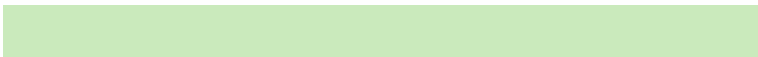
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.7056, 75.0222, 51.5330



68.1619, 75.0222, 51.4457



62.7944, 75.0222, 58.5537

Triad

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



68.1619, 75.0222, 51.4457



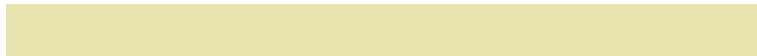
62.6903, 75.0222, 109.8314



84.1933, 75.0222, 91.6507

Complementary

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



68.1619, 75.0222, 51.4457



48.2229, 47.1226, 82.1555

Split Complementary

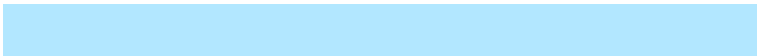
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.5547, 75.0222, 110.2273



68.1619, 75.0222, 51.4457



68.0118, 75.0222, 121.7708

Square

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



68.1619, 75.0222, 51.4457



59.7696, 75.0222, 91.1728



74.5461, 75.0222, 121.9259



84.2396, 75.0222, 72.8820

Rectangle

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



68.1619, 75.0222, 51.4457



60.4905, 75.0222, 67.1493



74.5461, 75.0222, 121.9259



83.3403, 75.0222, 98.1833

Sweetspot

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



68.1638, 75.0256, 51.4473



91.9031, 98.0935, 94.3258



56.4900, 50.9315, 49.8567



19.6156, 20.9620, 19.9345



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.



68.1638, 75.0256, 51.4473



83.6858, 92.7987, 57.2442



62.2332, 73.6090, 51.4864



15.5090, 16.6319, 15.2973



32.0690, 36.7121, 5.3959



2.3963, 2.7659, 0.4076

Inverse Universe

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



48.2229, 47.1226, 82.1555



54.7452, 52.3047, 101.8182



53.1313, 48.4816, 82.1591



13.6650, 14.0514, 18.1363



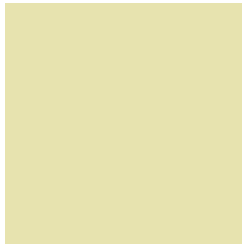
8.2267, 3.5155, 42.6281



0.6370, 0.3180, 3.1598

Previews

White Background



This preview shows how the XYZ color 68.1619, 75.0222, 51.4457 looks on a white background.

Color Contrast Check

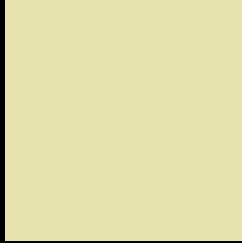
Large Text (above 18pt) WCAG AA × Fail

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 68.1619, 75.0222, 51.4457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

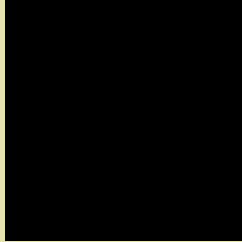
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.1619, 75.0222, 51.4457

Background



This preview shows how black text looks on a background with the XYZ color 68.1619, 75.0222, 51.4457.



This preview shows how white text looks on a background with the XYZ color 68.1619, 75.0222,

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

68.1619, 75.0222, 51.4457

Protanopia

70.2308, 74.8926, 50.7985

Deuteranopia

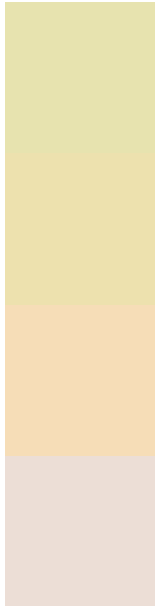
75.3885, 75.0336, 58.0865



Tritanopia

76.0684, 75.0699, 89.8376

Trichromacy



Original Color

68.1619, 75.0222, 51.4457

Protanomaly

69.4902, 74.9109, 50.8411

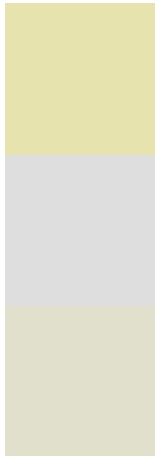
Deuteranomaly

72.4097, 74.7246, 55.4066

Tritanomaly

72.8509, 74.9305, 74.2417

Monochromacy



Original Color

68.1619, 75.0222, 51.4457

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.7264, 73.7266, 68.3660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1619, 75.0222, 51.4457 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(231, 227, 175)` looks like.

```
.text, #text, p{  
    color:rgb(231, 227, 175)  
}
```

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(231, 227, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 227, 175) }
```

Border

The CSS property to change the border of an element to XYZ 68.1619, 75.0222, 51.4457 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(231, 227, 175) }
```


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

```
.border{ border-color:rgb(231, 227, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 227, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 227, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 227, 175);  
box-shadow:4px 4px 4px 4px rgb(231, 227,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1619, 75.0222, 51.4457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 227, 175) }
```

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

```
.background{ background-color: rgb(231,  
227, 175) }
```

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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