

Converting Colors

XYZ(51.3498, 58.6009, 44.0686)

Have a look what the booklet for
XYZ(51.3498, 58.6009, 44.0686)
contains.

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Color

**XYZ(51.3685, 58.4613,
44.1741)**

Conversions

Conversions Part 1

Format	Color
Hex	C3CEA5
RGB	195, 206, 165
RGB Percent	76%, 81%, 65%
CMY	0.2353, 0.1921, 0.3529
CMYK	0.05, 0.00, 0.20, 0.19
HSL	76°, 30%, 73%
HSV	76°, 20%, 81%
XYZ	51.3685, 58.4613, 44.1741
YIQ	198.0370, 6.6050, -15.0830

Conversions

Conversions Part 2

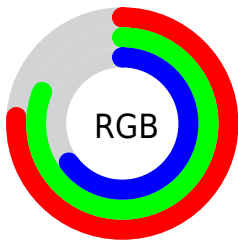
Format	Color
RYB	165, 206, 176
Decimal	12832421
CIELab	80.99, -10.80, 19.17
CIELCh	81, 22.008, 119.399
Yxy	58.4613, 0.3336, 0.3796
Android (android.graphics.Color)	4291022501 (0xFFC3CEA5)
YUV	198.0370, -16.2872, -2.6634
Hunter-Lab	76.4600, -13.8824, 19.2677

Details

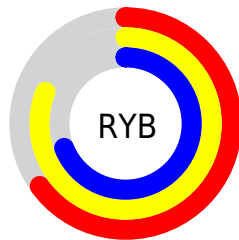
The XYZ color **51.3685, 58.4613, 44.1741** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.5025, 40.5982, 63.9918**, and the grayscale version is **53.7934, 56.5948, 61.6317**.

A 20% lighter version of the original color is **88.8232, 97.3828, 81.8254**, and **25.1934, 29.3114, 19.9526** is the 20% darker color. If you saturate the color by 10%, you get **48.2408, 57.0502, 35.0159**, and if you desaturate by 10%, it is **54.8542, 60.0257, 54.9280**.

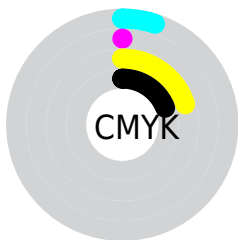
Distribution



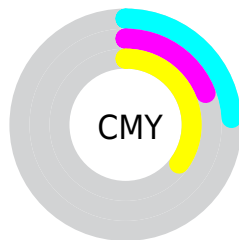
- Red (76%)
- Green (81%)
- Blue (65%)



- Red (65%)
- Yellow (81%)
- Blue (69%)



- Cyan (5%)
- Magenta (0%)
- Yellow (20%)
- Black (19%)



- Cyan (24%)
- Magenta (19%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3685, 58.4613, 44.1741 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 51.3685, 58.4613, 44.1741 by changing the saturation by 10% instead.

■ 51.3685, 58.4613,
44.1741

■ 51.3685, 58.4613,
44.1741

382.3579,
418.9026, 379.4804

■ 36.7242, 42.1796,
30.4692

■ 91.3790, 102.5943,
82.7849

■ 25.1667, 29.2420,
19.9399

■ 117.4759,
131.2144, 108.5279

■ 16.3307, 19.2639,
12.1677

148.1211,
164.7162, 139.1207

■ 9.8508, 11.8611,
6.7341

183.6798,
203.4839, 174.9818

■ 5.3616, 6.6492,
3.2205

224.5175,
247.9020, 216.5298

■ 2.4979, 3.2437,
1.2083

270.9995,

■ 0.8942, 1.2602,

298.3549, 264.1832

0.0000

323.4912,
355.2270, 318.3606

■ 0.0000, 0.1101,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.3685, 58.4613,
44.1741

■ 51.3685, 58.4613,
44.1741

■ 48.2408, 57.0502,
35.0159

■ 54.8542, 60.0257,
54.9280

■ 45.4516, 55.7785,
27.3736

■ 58.7075, 61.7412,
67.3448

■ 42.9861, 54.6424,
21.1662

■ 62.9429, 63.6159,
81.4925

■ 40.8268, 53.6346,
16.3036

■ 67.5730, 65.6548,
97.4339

■ 38.9539, 52.7472,
12.6855

■ 70.4444, 66.9965,
103.8265

■ 37.3452, 51.9713,
10.1977

■ 72.1723, 67.8873,
103.9074

■ 35.9744, 51.2962,
8.7048

■ 73.9563, 68.8070,
103.9909

■ 34.7936, 50.7028,
7.9585

■ 75.7969, 69.7558,
104.0770

■ 34.7827, 50.6973,
7.9523

■ 77.6947, 70.7342,
104.1658

Harmonies

Analogous

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



55.6578, 58.4613, 41.6866



51.3685, 58.4613, 44.1741



48.3498, 58.4613, 51.6992

Triad

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



51.3685, 58.4613, 44.1741



51.2174, 58.4613, 87.8283



64.8102, 58.4613, 63.9184

Complementary

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



51.3685, 58.4613, 44.1741



42.5025, 40.5982, 63.9918

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.



63.4661, 58.4613, 77.3237



51.3685, 58.4613, 44.1741



55.4737, 58.4613, 92.2360

Square

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



51.3685, 58.4613, 44.1741



48.2660, 58.4613, 76.8051



59.9855, 58.4613, 88.1554



63.5667, 58.4613, 52.0977

Rectangle

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



51.3685, 58.4613, 44.1741



47.3790, 58.4613, 59.1421



59.9855, 58.4613, 88.1554



64.6450, 58.4613, 68.3906

Sweetspot

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



51.3700, 58.4639, 44.1754



91.1891, 98.2830, 96.3689



47.7595, 46.8648, 42.1268



19.4312, 20.9978, 20.3481



0.0000, 0.0000, 0.0000



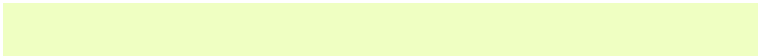
20.3446, 21.4041, 23.3091

Same Dimension

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



51.3700, 58.4639, 44.1754



80.9285, 93.6829, 64.7385



46.4469, 55.9259, 43.9450



11.8487, 12.9394, 11.9525



21.5134, 31.2659, 4.9010



1.1796, 1.6489, 0.2561

Inverse Universe

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



42.5025, 40.5982, 63.9918



63.9397, 59.4493, 102.7126



47.4756, 43.1619, 64.2245



10.8795, 10.9872, 14.1177



7.9196, 3.2903, 36.1739



0.4824, 0.2078, 1.8696

Previews

White Background



This preview shows how the XYZ color 51.3685, 58.4613, 44.1741 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 51.3685, 58.4613, 44.1741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

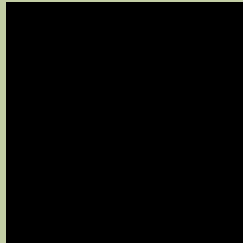
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.3685, 58.4613, 44.1741

Background



This preview shows how black text looks on a background with the XYZ color 51.3685, 58.4613, 44.1741.



This preview shows how white text looks on a background with the XYZ color 51.3685, 58.4613,

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

51.3685, 58.4613, 44.1741

Protanopia

54.8488, 58.5281, 42.5886

Deuteranopia

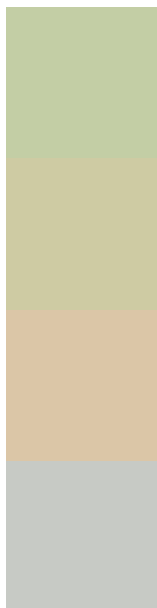
59.4166, 58.1229, 45.1330



Tritanopia

57.0463, 58.3097, 72.5382

Trichromacy



Original Color

51.3685, 58.4613, 44.1741

Protanomaly

53.4204, 58.4780, 43.1222

Deuteranomaly

56.3826, 58.2383, 44.8286

Tritanomaly

54.7518, 58.4144, 61.2127

Monochromacy



Original Color

51.3685, 58.4613, 44.1741

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

52.7755, 57.1888, 54.7113

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3685, 58.4613, 44.1741 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(195, 206, 165)` looks like.

```
.text, #text, p{  
    color:rgb(195, 206, 165)  
}
```

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(195, 206, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 206, 165) }
```

Border

The CSS property to change the border of an element to XYZ 51.3685, 58.4613, 44.1741 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(195, 206, 165) }
```


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

```
.border{ border-color:rgb(195, 206, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 206, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 206, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 206, 165);  
box-shadow:4px 4px 4px 4px rgb(195, 206,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3685, 58.4613, 44.1741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 206, 165) }
```

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

```
.background{ background-color: rgb(195,  
206, 165) }
```

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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