

Converting Colors

XYZ(50.1517, 54.4982, 38.5897)

Have a look what the booklet for
XYZ(50.1517, 54.4982, 38.5897)
contains.

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Color

**XYZ(50.2013, 54.5095,
38.4473)**

Conversions

Conversions Part 1

Format	Color
Hex	CBC49A
RGB	203, 196, 154
RGB Percent	80%, 77%, 60%
CMY	0.2039, 0.2314, 0.3961
CMYK	0.00, 0.03, 0.24, 0.20
HSL	51°, 32%, 70%
HSV	51°, 24%, 80%
XYZ	50.2013, 54.5095, 38.4473
YIQ	193.3050, 17.6540, -11.5780

Conversions

Conversions Part 2

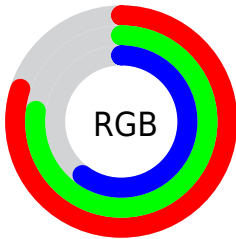
Format	Color
RYB	162, 203, 154
Decimal	13354138
CIELab	78.76, -4.27, 22.01
CIELCh	79, 22.424, 100.980
Yxy	54.5095, 0.3507, 0.3808
Android (android.graphics.Color)	4291544218 (0xFFCBC49A)
YUV	193.3050, -19.3774, 8.5025
Hunter-Lab	73.8305, -7.8319, 20.8061

Details

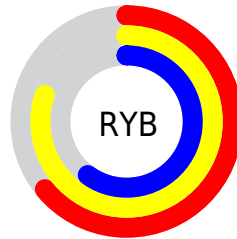
The XYZ color **50.2013, 54.5095, 38.4473** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.8506, 36.6707, 61.6361**, and the grayscale version is **50.9724, 53.6270, 58.3998**.

A 20% lighter version of the original color is **87.8739, 96.1140, 74.2420**, and **24.3339, 26.6212, 16.6878** is the 20% darker color. If you saturate the color by 10%, you get **48.0047, 52.5968, 30.0674**, and if you desaturate by 10%, it is **52.6994, 56.5667, 48.3397**.

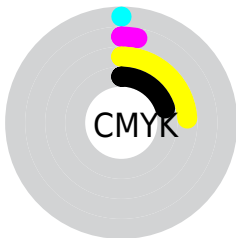
Distribution



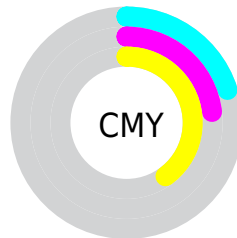
- Red (80%)
- Green (77%)
- Blue (60%)



- Red (64%)
- Yellow (80%)
- Blue (60%)



- Cyan (0%)
- Magenta (3%)
- Yellow (24%)
- Black (20%)




- Cyan (20%)
- Magenta (23%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2013, 54.5095, 38.4473 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 50.2013, 54.5095, 38.4473 by changing the saturation by 10% instead.


 50.2013, 54.5095,
38.4473

 50.2013, 54.5095,
38.4473


377.8916,
404.0499, 354.8904

 35.7918, 39.0091,
26.0255


 89.6631, 96.8219,
74.0042

 24.4428, 26.7668,
16.6168


 115.4461,
124.4028, 97.9765

 15.7889, 17.3982,
9.8026


145.7511,
156.7793, 126.6359

 9.4648, 10.5188,
5.1644

180.9432,
194.3358, 160.4011

 5.1051, 5.7443,
2.2836

221.3880,
237.4567, 199.6906

 2.3445, 2.6902,
0.7220

267.4508,

 0.8173, 0.9722,

286.5264, 244.9230

0.0000

319.4969,
341.9294, 296.5168

■ 0.0000, 0.0000,
0.0000

■ 50.2013, 54.5095,
38.4473

■ 50.2013, 54.5095,
38.4473

■ 48.0047, 52.5968,
30.0674

■ 52.6994, 56.5667,
48.3397

■ 46.0908, 50.8154,
23.1207

■ 55.5081, 58.7667,
59.8115

■ 44.4454, 49.1614,
17.5261


■ 58.6414, 61.1169,
72.9298


■ 43.0511, 47.6277,
13.1929


■ 62.1112, 63.6222,
87.7569


■ 41.8887, 46.2065,
10.0193

■ 65.8479, 66.2550,
103.9257


 40.9356, 44.8887,
7.8877


 66.5722, 67.7035,
104.1671

 40.1647, 43.6633,
6.6556

 67.3095, 69.1781,
104.4129

 39.7685, 42.9762,
6.1992

 68.0599, 70.6789,
104.6630

 68.8235, 72.2060,
104.9175

Harmonies

Analogous

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



54.6408, 54.5095, 39.1152



50.2013, 54.5095, 38.4473



46.4126, 54.5095, 42.7472

Triad

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



50.2013, 54.5095, 38.4473



45.6307, 54.5095, 76.8645



60.3032, 54.5095, 67.6780

Complementary

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



50.2013, 54.5095, 38.4473



36.8506, 36.6707, 61.6361

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.



57.6097, 54.5095, 79.7796



50.2013, 54.5095, 38.4473



49.0780, 54.5095, 85.5843

Square

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



50.2013, 54.5095, 38.4473



43.8758, 54.5095, 64.1290



53.4520, 54.5095, 86.7214



60.6465, 54.5095, 54.8175

Rectangle

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



50.2013, 54.5095, 38.4473



44.7001, 54.5095, 48.2675



53.4520, 54.5095, 86.7214



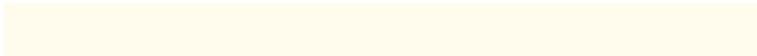
59.6357, 54.5095, 72.0145

Sweetspot

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



50.2027, 54.5119, 38.4484



91.5004, 97.2880, 94.1916



42.6487, 38.3939, 39.0439



19.5221, 20.7749, 19.9033



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.



50.2027, 54.5119, 38.4484



82.0697, 89.5663, 56.7055



47.4024, 55.4657, 38.7801



12.0120, 12.8130, 11.9195



25.3595, 27.4519, 3.9622



1.3466, 1.4929, 0.2172

Inverse Universe

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



36.8506, 36.6707, 61.6361



55.8813, 54.5769, 102.1969



39.1630, 36.0985, 61.4038



10.7288, 11.0981, 14.1470



7.1797, 3.3835, 36.2309



0.4132, 0.2601, 1.8834

Previews

White Background



This preview shows how the XYZ color 50.2013, 54.5095, 38.4473 looks on a white background.

Color Contrast Check

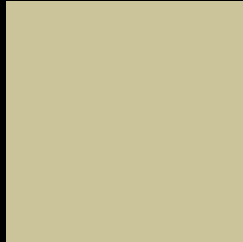
Large Text (above 18pt) WCAG AA × Fail

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 50.2013, 54.5095, 38.4473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

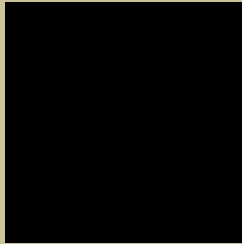
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

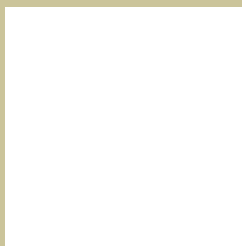
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.2013, 54.5095, 38.4473

Background



This preview shows how black text looks on a background with the XYZ color 50.2013, 54.5095, 38.4473.



This preview shows how white text looks on a background with the XYZ color 50.2013, 54.5095,

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

50.2013, 54.5095, 38.4473

Protanopia

50.9970, 54.5955, 37.9872

Deuteranopia

55.4496, 54.2718, 39.0055



Tritanopia

55.3912, 54.3101, 64.6902

Trichromacy



Original Color

50.2013, 54.5095, 38.4473

Protanomaly

50.7185, 54.4519, 37.9741

Deuteranomaly

53.2433, 54.0989, 38.6463

Tritanomaly

53.4447, 54.5098, 54.1590

Monochromacy



Original Color

50.2013, 54.5095, 38.4473

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.4544, 53.7086, 50.3554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2013, 54.5095, 38.4473 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(203, 196, 154)` looks like.

```
.text, #text, p{  
    color:rgb(203, 196, 154)  
}
```

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(203, 196, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 196, 154) }
```

Border

The CSS property to change the border of an element to XYZ 50.2013, 54.5095, 38.4473 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(203, 196, 154) }
```


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

```
.border{ border-color:rgb(203, 196, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 196, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 196, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 196, 154);  
box-shadow:4px 4px 4px 4px rgb(203, 196,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2013, 54.5095, 38.4473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 196, 154) }
```

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

```
.background{ background-color: rgb(203,  
196, 154) }
```

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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