

Converting Colors

XYZ(47.1194, 50.2205, 31.5790)

Have a look what the booklet for
XYZ(47.1194, 50.2205, 31.5790)
contains.

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Color

**XYZ(47.0591, 50.1012,
31.6163)**

Conversions

Conversions Part 1

Format	Color
Hex	CBBB8B
RGB	203, 187, 139
RGB Percent	80%, 73%, 55%
CMY	0.2039, 0.2666, 0.4549
CMYK	0.00, 0.08, 0.32, 0.20
HSL	45°, 38%, 67%
HSV	45°, 32%, 80%
XYZ	47.0591, 50.1012, 31.6163
YIQ	186.3120, 24.9440, -11.5360

Conversions

Conversions Part 2

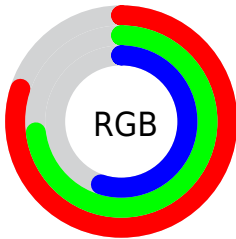
Format	Color
R _{YB}	160, 203, 139
Decimal	13351819
CIE Lab	76.13, -1.56, 26.41
CIE LCh	76, 26.455, 93.390
Yxy	50.1012, 0.3654, 0.3891
Android (android.graphics.Color)	4291541899 (0xFFCBBB8B)
YUV	186.3120, -23.3248, 14.6354
Hunter-Lab	70.7822, -5.1943, 23.0645

Details

The XYZ color **47.0591, 50.1012, 31.6163** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.1481, 33.2425, 61.1694**, and the grayscale version is **46.9651, 49.4109, 53.8085**.

A 20% lighter version of the original color is **82.9162, 89.2114, 63.3015**, and **22.4993, 24.0507, 12.6889** is the 20% darker color. If you saturate the color by 10%, you get **44.6545, 47.4492, 24.1640**, and if you desaturate by 10%, it is **49.7798, 52.9441, 40.5339**.

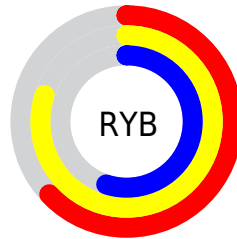
Distribution



Red (80%)

Green (73%)

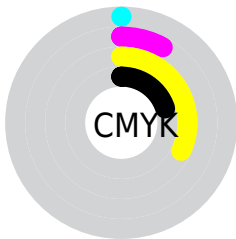
Blue (55%)



Red (63%)

Yellow (80%)

Blue (55%)

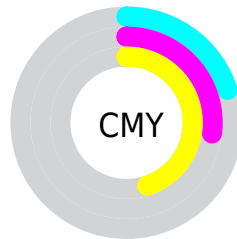


Cyan (0%)

Magenta (8%)

Yellow (32%)

Black (20%)



Cyan (20%)

Magenta (27%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0591, 50.1012, 31.6163 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 47.0591, 50.1012, 31.6163 by changing the saturation by 10% instead.

■ 47.0591, 50.1012,
31.6163

■ 47.0591, 50.1012,
31.6163

365.6954,
387.0616, 323.8063

■ 33.2905, 35.4938,
20.8062

■ 85.0200, 90.3248,
63.3000

■ 22.5094, 24.0435,
12.7926

■ 109.9431,
116.7098, 85.0107

■ 14.3504, 15.3659,
7.1568

■ 139.3151,
147.7895, 111.1919

■ 8.4481, 9.0766,
3.4804

173.5012,
183.9482, 142.2624

■ 4.4372, 4.7912,
1.3449

212.8670,
225.5704, 178.6405

■ 1.9523, 2.1253,
0.0981

257.7777,

■ 0.6070, 0.6788,

273.0404, 220.7448

0.0000

308.5987,
326.7427, 268.9939

■ 0.0000, 0.0000,
0.0000

■ 47.0591, 50.1012,
31.6163

■ 47.0591, 50.1012,
31.6163

■ 44.6545, 47.4492,
24.1640

■ 49.7798, 52.9441,
40.5339

■ 42.5464, 44.9742,
18.0934

■ 52.8272, 55.9773,
50.9880

■ 40.7190, 42.6711,
13.3171

■ 56.2160, 59.2092,
63.0490

■ 39.1531, 40.5316,
9.7364

■ 59.9591, 62.6454,
76.7819

■ 37.8271, 38.5464,
7.2383

■ 64.0683, 66.2913,
92.2482

■ 36.7147, 36.7043,
5.6882

■ 67.6067, 69.7727,
104.5120

■ 35.8999, 35.2390,
4.9097

■ 68.9382, 72.4357,
104.9558

■ 70.3103, 75.1799,
105.4132

■ 71.7234, 78.0060,
105.8842

Harmonies

Analogous

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



52.0109, 50.1012, 33.6313



47.0591, 50.1012, 31.6163



42.5718, 50.1012, 34.8125

Triad

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



47.0591, 50.1012, 31.6163



40.1074, 50.1012, 70.9685



56.6455, 50.1012, 67.6932

Complementary

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



47.0591, 50.1012, 31.6163



33.1481, 33.2425, 61.1694

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.



53.0516, 50.1012, 80.6199



47.0591, 50.1012, 31.6163



43.4829, 50.1012, 82.7293

Square

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



47.0591, 50.1012, 31.6163



38.7372, 50.1012, 56.1794



48.1847, 50.1012, 86.5340



57.7658, 50.1012, 52.9557

Rectangle

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



47.0591, 50.1012, 31.6163



40.3815, 50.1012, 39.8583



48.1847, 50.1012, 86.5340



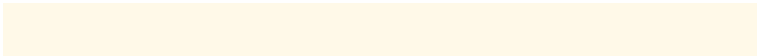
55.6749, 50.1012, 72.4739

Sweetspot

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



47.0604, 50.1035, 31.6173



89.7700, 95.0038, 89.9874



39.7780, 33.5289, 35.3861



19.0415, 20.1675, 18.6525



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.



47.0604, 50.1035, 31.6173



75.9351, 80.7619, 43.9793



46.5099, 55.1409, 32.6187



11.9072, 12.6033, 11.8845



22.9219, 22.5768, 3.1496



1.2404, 1.2805, 0.1818

Inverse Universe

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



33.1481, 33.2425, 61.1694



48.9634, 48.0856, 101.3085



33.5302, 29.7462, 60.4744



10.8258, 11.2920, 14.1794



7.6678, 4.3595, 36.3936



0.4577, 0.3491, 1.8982

Previews

White Background



This preview shows how the XYZ color 47.0591, 50.1012, 31.6163 looks on a white background.

Color Contrast Check

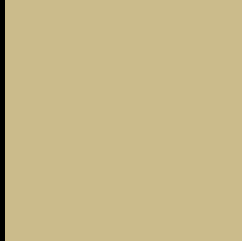
Large Text (above 18pt) WCAG AA × Fail

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 47.0591, 50.1012, 31.6163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

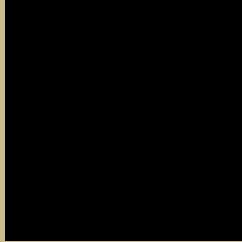
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.0591, 50.1012, 31.6163

Background



This preview shows how black text looks on a background with the XYZ color 47.0591, 50.1012, 31.6163.



This preview shows how white text looks on a background with the XYZ color 47.0591, 50.1012,

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

47.0591, 50.1012, 31.6163

Protanopia

46.7308, 50.2480, 31.6620

Deuteranopia

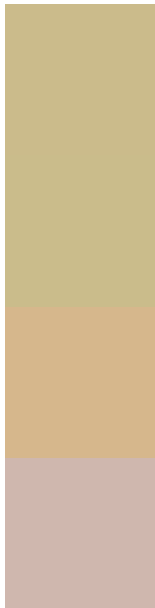
50.8737, 49.9081, 31.7628



Tritanopia

52.3534, 50.0929, 57.9485

Trichromacy



Original Color

47.0591, 50.1012, 31.6163

Protanomaly

47.0005, 50.3871, 31.6746

Deuteranomaly

49.3987, 50.0566, 31.8692

Tritanomaly

50.3056, 50.1884, 47.0803

Monochromacy



Original Color

47.0591, 50.1012, 31.6163

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.4586, 49.1889, 44.5819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0591, 50.1012, 31.6163 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, 187, 139)` looks like.

```
.text, #text, p{  
    color:rgb(203, 187, 139)  
}
```

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, 187, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 187, 139) }
```

Border

The CSS property to change the border of an element to XYZ 47.0591, 50.1012, 31.6163 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, 187, 139) }
```


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

```
.border{ border-color:rgb(203, 187, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 187, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 187, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 187, 139);  
box-shadow:4px 4px 4px 4px rgb(203, 187,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0591, 50.1012, 31.6163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 187, 139) }
```

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

```
.background{ background-color: rgb(203,  
187, 139) }
```

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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