

Converting Colors

XYZ(47.0046, 55.3366, 31.1929)

Have a look what the booklet for
XYZ(47.0046, 55.3366, 31.1929)
contains.

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Color

**XYZ(46.9643, 55.4083,
31.1413)**

Conversions

Conversions Part 1

Format	Color
Hex	BECB87
RGB	190, 203, 135
RGB Percent	75%, 80%, 53%
CMY	0.2549, 0.2039, 0.4706
CMYK	0.06, 0.00, 0.33, 0.20
HSL	71°, 40%, 66%
HSV	71°, 33%, 80%
XYZ	46.9643, 55.4083, 31.1413
YIQ	191.3610, 14.0800, -23.9040

Conversions

Conversions Part 2

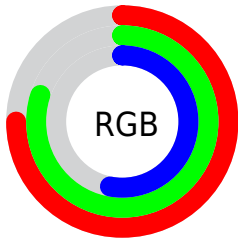
Format	Color
RYB	135, 203, 148
Decimal	12503943
CIELab	79.28, -15.38, 32.50
CIElCh	79, 35.955, 115.333
Yxy	55.4083, 0.3518, 0.4150
Android (android.graphics.Color)	4290694023 (0xFFBECB87)
YUV	191.3610, -27.7860, -1.1936
Hunter-Lab	74.4368, -17.6435, 27.3012

Details

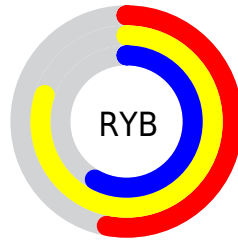
The XYZ color **46.9643, 55.4083, 31.1413** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.6584, 27.9372, 60.2269**, and the grayscale version is **49.8827, 52.4805, 57.1512**.

A 20% lighter version of the original color is **83.3031, 94.9683, 62.0843**, and **22.5010, 27.3692, 12.4844** is the 20% darker color. If you saturate the color by 10%, you get **44.7128, 54.3991, 24.2733**, and if you desaturate by 10%, it is **49.5170, 56.5448, 39.4482**.

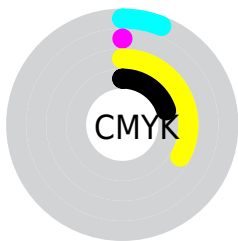
Distribution



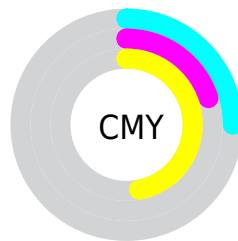
- Red (75%)
- Green (80%)
- Blue (53%)



- Red (53%)
- Yellow (80%)
- Blue (58%)



- Cyan (6%)
- Magenta (0%)
- Yellow (33%)
- Black (20%)



- Cyan (25%)
- Magenta (20%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9643, 55.4083, 31.1413 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 46.9643, 55.4083, 31.1413 by changing the saturation by 10% instead.

■ 46.9643, 55.4083,
31.1413

■ 46.9643, 55.4083,
31.1413

365.3233,
407.4578, 321.5601

■ 33.2153, 39.7287,
20.4471

■ 84.8794, 98.1389,
62.5446

■ 22.4514, 27.3271,
12.5332

■ 109.7762,
125.9587, 84.0909

■ 14.3074, 17.8190,
6.9810

■ 139.1196,
158.5941, 110.0915

■ 8.4179, 10.8201,
3.3719

173.2749,
196.4294, 140.9652

■ 4.4176, 5.9460,
1.2875

212.6076,
239.8490, 177.1303

■ 1.9410, 2.8123,
0.0515

257.4830,

■ 0.6005, 1.0345,

289.2374, 219.0055

0.0000

308.2665,
344.9788, 267.0092

■ 0.0000, 0.0000,
0.0000

■ 46.9643, 55.4083,
31.1413

■ 46.9643, 55.4083,
31.1413

■ 44.7128, 54.3991,
24.2733

■ 49.5170, 56.5448,
39.4482

■ 42.7426, 53.5034,
18.7587

■ 52.3811, 57.8070,
49.2658

■ 41.0378, 52.7169,
14.5088


■ 55.5717, 59.2028,
60.6655


■ 39.5790, 52.0316,
11.4225


■ 59.1014, 60.7373,
73.7128


■ 38.3438, 51.4387,
9.3835

■ 62.9820, 62.4152,
88.4697

 37.3054, 50.9274,
8.2513

 66.9331, 64.1244,
103.4572

 36.7046, 50.6262,
7.8373

 68.0748, 64.7130,
103.5107

 69.2438, 65.3156,
103.5654

 70.4400, 65.9323,
103.6214

Harmonies

Analogous

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



53.7974, 55.4083, 28.8339



46.9643, 55.4083, 31.1413



42.0868, 55.4083, 40.4862

Triad

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



46.9643, 55.4083, 31.1413



45.1814, 55.4083, 99.1296



67.6884, 55.4083, 63.6111

Complementary

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



46.9643, 55.4083, 31.1413



31.6584, 27.9372, 60.2269

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.



64.8795, 55.4083, 85.7849



46.9643, 55.4083, 31.1413



51.5465, 55.4083, 109.0532

Square

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



46.9643, 55.4083, 31.1413



41.1250, 55.4083, 78.9176



58.8070, 55.4083, 103.6857



66.1814, 55.4083, 44.9178

Rectangle

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



46.9643, 55.4083, 31.1413



40.3838, 55.4083, 50.8455



58.8070, 55.4083, 103.6857



67.2109, 55.4083, 70.9267

Sweetspot

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



46.9657, 55.4108, 31.1425



89.4413, 97.5519, 88.6106



39.5102, 35.4603, 27.6846



18.9853, 20.8105, 18.4039



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.



46.9657, 55.4108, 31.1425



75.9338, 91.5662, 43.8089



39.5448, 51.5852, 30.7952



11.9354, 12.9841, 11.9566



23.4306, 32.2542, 4.9908



1.2643, 1.6926, 0.2601

Inverse Universe

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



31.6584, 27.9372, 60.2269



46.5659, 38.8306, 99.6485



38.6110, 31.5214, 60.5523



10.7987, 10.9455, 14.1139



7.4464, 3.0463, 36.1518



0.4455, 0.1888, 1.8679

Previews

White Background



This preview shows how the XYZ color 46.9643, 55.4083, 31.1413 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 46.9643, 55.4083, 31.1413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

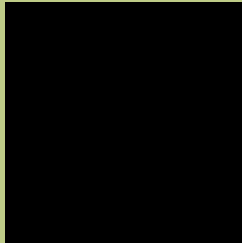
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.9643, 55.4083, 31.1413

Background



This preview shows how black text looks on a background with the XYZ color 46.9643, 55.4083, 31.1413.



This preview shows how white text looks on a background with the XYZ color 46.9643, 55.4083,

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

46.9643, 55.4083, 31.1413

Protanopia

51.0562, 55.1428, 29.7825

Deuteranopia

56.1749, 55.1251, 31.7242



Tritanopia

54.6198, 55.4664, 68.1489

Trichromacy



Original Color

46.9643, 55.4083, 31.1413

Protanomaly

49.5589, 55.3777, 30.2672

Deuteranomaly

52.2006, 54.6978, 31.4734

Tritanomaly

51.1747, 55.0457, 52.1836

Monochromacy



Original Color

46.9643, 55.4083, 31.1413

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.3517, 53.0469, 46.2187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9643, 55.4083, 31.1413 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(190, 203, 135)` looks like.

```
.text, #text, p{  
    color:rgb(190, 203, 135)  
}
```

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(190, 203, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 203, 135) }
```

Border

The CSS property to change the border of an element to XYZ 46.9643, 55.4083, 31.1413 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(190, 203, 135) }
```


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

```
.border{ border-color:rgb(190, 203, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 203, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 203, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 203, 135);  
box-shadow:4px 4px 4px 4px rgb(190, 203,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9643, 55.4083, 31.1413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 203, 135) }
```

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

```
.background{ background-color: rgb(190,  
203, 135) }
```

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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