

Converting Colors

XYZ(46.5977, 56.4894, 31.8169)

Have a look what the booklet for
XYZ(46.5977, 56.4894, 31.8169)
contains.

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Color

**XYZ(46.7643, 56.7175,
31.7754)**

Conversions

Conversions Part 1

Format	Color
Hex	B9CF88
RGB	185, 207, 136
RGB Percent	73%, 81%, 53%
CMY	0.2745, 0.1882, 0.4667
CMYK	0.11, 0.00, 0.34, 0.19
HSL	79°, 43%, 67%
HSV	79°, 34%, 81%
XYZ	46.7643, 56.7175, 31.7754
YIQ	192.3280, 9.6790, -26.7450

Conversions

Conversions Part 2

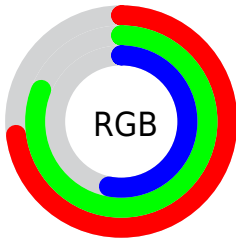
Format	Color
RYB	136, 207, 158
Decimal	12177288
CIELab	80.02, -19.16, 32.89
CIELCh	80, 38.064, 120.215
Yxy	56.7175, 0.3457, 0.4193
Android (android.graphics.Color)	4290367368 (0xFFB9CF88)
YUV	192.3280, -27.7697, -6.4267
Hunter-Lab	75.3110, -20.9549, 27.7019

Details

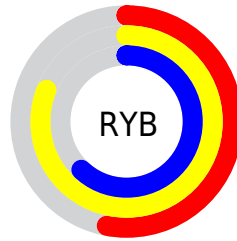
The XYZ color **46.7643, 56.7175, 31.7754** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.1695, 29.3840, 62.9054**, and the grayscale version is **50.4492, 53.0765, 57.8003**.

A 20% lighter version of the original color is **81.6722, 94.1150, 62.5766**, and **22.3910, 28.2636, 12.8696** is the 20% darker color. If you saturate the color by 10%, you get **43.9205, 55.4071, 24.6906**, and if you desaturate by 10%, it is **49.9650, 58.1826, 40.3623**.

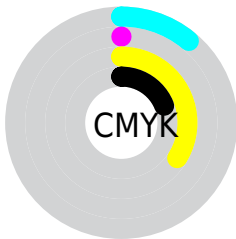
Distribution



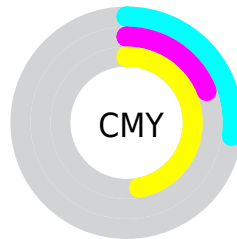
- Red (73%)
- Green (81%)
- Blue (53%)



- Red (53%)
- Yellow (81%)
- Blue (62%)



- Cyan (11%)
- Magenta (0%)
- Yellow (34%)
- Black (19%)



- Cyan (27%)
- Magenta (19%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7643, 56.7175, 31.7754 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 46.7643, 56.7175, 31.7754 by changing the saturation by 10% instead.

■ 46.7643, 56.7175,
31.7754

■ 46.7643, 56.7175,
31.7754

364.5376,
412.3899, 324.5560

■ 33.0565, 40.7785,
20.9266

■ 84.5826, 100.0529,
63.5526

■ 22.3292, 28.1460,
12.8796

■ 109.4238,
128.2180, 85.3182

■ 14.2169, 18.4358,
7.2160

■ 138.7069,
161.2273, 111.5597

■ 8.3544, 11.2633,
3.5170

172.7972,
199.4651, 142.6957

■ 4.3763, 6.2442,
1.3643

212.0600,
243.3159, 179.1448

■ 1.9171, 2.9941,
0.1137

256.8608,

■ 0.5868, 1.1287,

293.1640, 221.3255

0.0000

307.5649,
349.3939, 269.6564

■ 0.0000, 0.0023,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.7643, 56.7175,
31.7754

■ 46.7643, 56.7175,
31.7754

■ 43.9205, 55.4071,
24.6906

■ 49.9650, 58.1826,
40.3623

■ 41.4119, 54.2369,
19.0178

■ 53.5343, 59.8013,
50.5272

■ 39.2210, 53.2016,
14.6628

■ 57.4885, 61.5823,
62.3454

■ 37.3265, 52.2925,
11.5185

■ 61.8416, 63.5312,
75.8861

■ 35.7039, 51.4999,
9.4611

■ 66.6069, 65.6535,
91.2147

■ 34.3237, 50.8117,
8.3400

■ 70.9475, 67.6144,
103.9193

■ 33.6159, 50.4544,
7.9669

■ 72.9677, 68.6559,
104.0138

■ 75.0636, 69.7364,
104.1119

■ 77.2361, 70.8563,
104.2136

Harmonies

Analogous

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



53.8524, 56.7175, 28.2026



46.7643, 56.7175, 31.7754



42.0026, 56.7175, 42.9209

Triad

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



46.7643, 56.7175, 31.7754



46.8524, 56.7175, 106.5929



70.1914, 56.7175, 61.5958

Complementary

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



46.7643, 56.7175, 31.7754



34.1695, 29.3840, 62.9054

Split Complementary

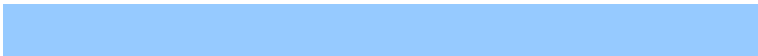
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.8747, 56.7175, 85.4238



46.7643, 56.7175, 31.7754



53.9642, 56.7175, 114.8961

Square

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



46.7643, 56.7175, 31.7754



42.0499, 56.7175, 85.7684



61.7451, 56.7175, 106.3628



67.8095, 56.7175, 42.7037

Rectangle

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



46.7643, 56.7175, 31.7754



40.5394, 56.7175, 54.7957



61.7451, 56.7175, 106.3628



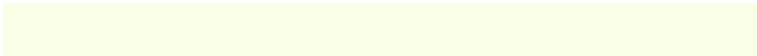
69.9339, 56.7175, 69.2814

Sweetspot

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



46.7657, 56.7200, 31.7766



88.3648, 96.9969, 88.5603



42.2859, 39.2604, 28.6427



18.7237, 20.6757, 18.3916



0.0000, 0.0000, 0.0000



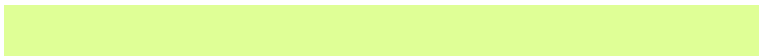
20.3446, 21.4041, 23.3091

Same Dimension

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



46.7657, 56.7200, 31.7766



71.6091, 89.3608, 42.5187



39.3732, 52.9090, 31.4306



12.4321, 13.6062, 12.5831



21.2793, 31.8388, 5.0240



1.2692, 1.8212, 0.2846

Inverse Universe

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



34.1695, 29.3840, 62.9054



48.5215, 39.2257, 99.6217



42.0101, 33.4259, 63.2724



11.5034, 11.5928, 14.8750



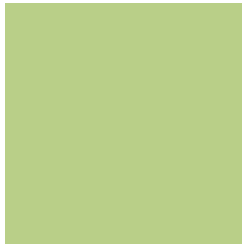
8.5202, 3.5726, 37.4330



0.5575, 0.2416, 2.0968

Previews

White Background



This preview shows how the XYZ color 46.7643, 56.7175, 31.7754 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 46.7643, 56.7175, 31.7754 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 46.7643, 56.7175, 31.7754

Background



This preview shows how black text looks on a background with the XYZ color 46.7643, 56.7175, 31.7754.



This preview shows how white text looks on a background with the XYZ color 46.7643, 56.7175,

31.7754.

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

46.7643, 56.7175, 31.7754

Protanopia

52.3833, 56.5012, 29.9747

Deuteranopia

57.7392, 56.5532, 32.6836



Tritanopia

54.4822, 56.3387, 70.9537

Trichromacy



Original Color

46.7643, 56.7175, 31.7754

Protanomaly

50.0221, 56.3041, 30.4216

Deuteranomaly

53.0154, 56.0956, 32.4594

Tritanomaly

51.1295, 56.3524, 54.0812

Monochromacy



Original Color

46.7643, 56.7175, 31.7754

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

48.3989, 53.7299, 46.8497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7643, 56.7175, 31.7754 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(185, 207, 136)` looks like.

```
.text, #text, p{  
    color:rgb(185, 207, 136)  
}
```

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(185, 207, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 207, 136) }
```

Border

The CSS property to change the border of an element to XYZ 46.7643, 56.7175, 31.7754 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(185, 207, 136) }
```


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

```
.border{ border-color:rgb(185, 207, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 207, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 207, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 207, 136);  
box-shadow:4px 4px 4px 4px rgb(185, 207,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7643, 56.7175, 31.7754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 207, 136) }
```

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

```
.background{ background-color: rgb(185,  
207, 136) }
```

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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