

Converting Colors

XYZ(47.5089, 55.6061, 26.9082)

Have a look what the booklet for
XYZ(47.5089, 55.6061, 26.9082)
contains.

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Color

**XYZ(47.6960, 55.8777,
27.0105)**

Conversions

Conversions Part 1

Format	Color
Hex	C4CB7B
RGB	196, 203, 123
RGB Percent	77%, 80%, 48%
CMY	0.2314, 0.2039, 0.5176
CMYK	0.03, 0.00, 0.39, 0.20
HSL	65°, 43%, 64%
HSV	65°, 39%, 80%
XYZ	47.6960, 55.8777, 27.0105
YIQ	191.7870, 21.5080, -26.3640

Conversions

Conversions Part 2

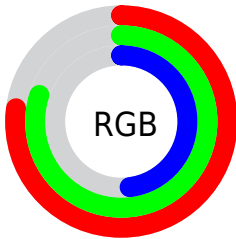
Format	Color
R _Y B	123, 203, 130
Decimal	12897147
CIE Lab	79.54, -14.50, 39.06
CIE LCh	80, 41.668, 110.362
Yxy	55.8777, 0.3653, 0.4279
Android (android.graphics.Color)	4291087227 (0xFFC4CB7B)
YUV	191.7870, -33.9120, 3.6948
Hunter-Lab	74.7514, -16.9209, 30.9023

Details

The XYZ color **47.6960, 55.8777, 27.0105** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **27.0705, 23.2250, 59.5593**, and the grayscale version is **50.1626, 52.7750, 57.4719**.

A 20% lighter version of the original color is **84.5689, 95.7652, 55.6222**, and **22.9017, 27.6255, 10.2561** is the 20% darker color. If you saturate the color by 10%, you get **46.0956, 55.1864, 20.9762**, and if you desaturate by 10%, it is **49.5682, 56.6823, 34.4353**.

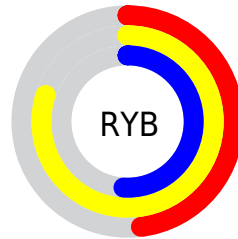
Distribution



Red (77%)

Green (80%)

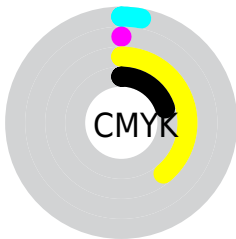
Blue (48%)



Red (48%)

Yellow (80%)

Blue (51%)

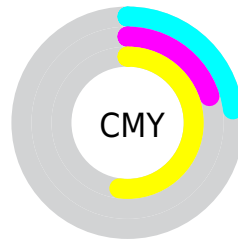


Cyan (3%)

Magenta (0%)

Yellow (39%)

Black (20%)



Cyan (23%)


Magenta (20%)


Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6960, 55.8777, 27.0105 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 47.6960, 55.8777, 27.0105 by changing the saturation by 10% instead.


 47.6960, 55.8777,
27.0105


 47.6960, 55.8777,
27.0105


368.1886,
409.2304, 301.4697


 33.7965, 40.1049,
17.3486


 85.9640, 98.8257,
55.9047

 22.8994, 27.6203,
10.3188


 111.0633,
126.7697, 75.9740

 14.6395, 18.0397,
5.5025


 140.6264,
159.5396, 100.3496

 8.6515, 10.9785,
2.4811

175.0188,
197.5197, 129.4499

 4.5698, 6.0524,
0.8301

214.6059,
241.0944, 163.6935

 2.0293, 2.8769,
0.0000

259.7530,

 0.6503, 1.0678,

290.6482, 203.4990

0.0000

310.8254,
346.5654, 249.2849

■ 0.0000, 0.0000,
0.0000

■ 47.6960, 55.8777,
27.0105

■ 47.6960, 55.8777,
27.0105

■ 46.0956, 55.1864,
20.9762

■ 49.5682, 56.6823,
34.4353

■ 44.7465, 54.5943,
16.2423

■ 51.7230, 57.5986,
43.3260

■ 43.6316, 54.0965,
12.7140


■ 54.1758, 58.6347,
53.7568

■ 42.7304, 53.6848,
10.2819


■ 56.9395, 59.7958,
65.7961

■ 42.0181, 53.3493,
8.8169


■ 60.0263, 61.0868,
79.5078


 41.4520, 53.0729,
8.0938

 63.4477, 62.5123,
94.9526

 41.4201, 53.0572,
8.0580

 65.5444, 63.4086,
103.3923

 66.0484, 63.6684,
103.4159

 66.5581, 63.9312,
103.4397

Harmonies

Analogous

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



55.8550, 55.8777, 25.7316



47.6960, 55.8777, 27.0105



41.6378, 55.8777, 35.8856

Triad

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



47.6960, 55.8777, 27.0105



43.4756, 55.8777, 103.7707



70.6414, 55.8777, 68.9030

Complementary

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



47.6960, 55.8777, 27.0105



27.0705, 23.2250, 59.5593

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.



66.5170, 55.8777, 95.3022



47.6960, 55.8777, 27.0105



50.4566, 55.8777, 118.6528

Square

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



47.6960, 55.8777, 27.0105



39.3849, 55.8777, 78.3611



58.9191, 55.8777, 115.2008



69.7025, 55.8777, 46.1493

Rectangle

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



47.6960, 55.8777, 27.0105



39.3279, 55.8777, 46.6067



58.9191, 55.8777, 115.2008



69.7860, 55.8777, 77.7139

Sweetspot

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



47.6974, 55.8802, 27.0117



89.5299, 97.6789, 84.9409



36.1440, 30.0048, 22.6261



19.0445, 20.8572, 17.6742



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.



47.6974, 55.8802, 27.0117



77.6276, 92.5971, 36.7587



38.7081, 51.2461, 26.5910



12.0532, 13.0448, 11.9621



26.3972, 33.7836, 5.1296



1.3909, 1.7579, 0.2660

Inverse Universe

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



27.0705, 23.2250, 59.5593



38.5259, 30.6683, 98.4968



34.3698, 26.9879, 59.9009



10.6913, 10.8902, 14.1089



7.0492, 2.8415, 36.1332



0.3958, 0.1632, 1.8656

Previews

White Background



This preview shows how the XYZ color 47.6960, 55.8777, 27.0105 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 47.6960, 55.8777, 27.0105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

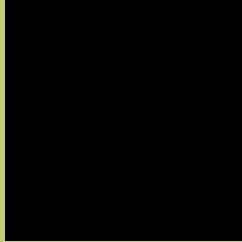
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.6960, 55.8777, 27.0105

Background



This preview shows how black text looks on a background with the XYZ color 47.6960, 55.8777, 27.0105.



This preview shows how white text looks on a background with the XYZ color 47.6960, 55.8777,

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

47.6960, 55.8777, 27.0105

Protanopia

51.4418, 55.7601, 26.1407

Deuteranopia

56.6742, 55.4773, 27.4598



Tritanopia

55.9087, 55.8158, 67.5013

Trichromacy



Original Color

47.6960, 55.8777, 27.0105

Protanomaly

49.9487, 55.6619, 26.5236

Deuteranomaly

52.8958, 55.1502, 27.2592

Tritanomaly

52.2592, 55.6634, 49.5847

Monochromacy



Original Color

47.6960, 55.8777, 27.0105

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

48.7073, 53.6073, 44.3393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6960, 55.8777, 27.0105 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(196, 203, 123)` looks like.

```
.text, #text, p{  
    color:rgb(196, 203, 123)  
}
```

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(196, 203, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 203, 123) }
```

Border

The CSS property to change the border of an element to XYZ 47.6960, 55.8777, 27.0105 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(196, 203, 123) }
```


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

```
.border{ border-color:rgb(196, 203, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 203, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 203, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 203, 123);  
box-shadow:4px 4px 4px 4px rgb(196, 203,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6960, 55.8777, 27.0105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 203, 123) }
```

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

```
.background{ background-color: rgb(196,  
203, 123) }
```

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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