

Converting Colors

XYZ(45.4827, 51.6600, 23.0799)

Have a look what the booklet for
XYZ(45.4827, 51.6600, 23.0799)
contains.

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Color

**XYZ(45.5611, 51.7816,
23.2163)**

Conversions

Conversions Part 1

Format	Color
Hex	C6C271
RGB	198, 194, 113
RGB Percent	78%, 76%, 44%
CMY	0.2235, 0.2392, 0.5569
CMYK	0.00, 0.02, 0.43, 0.22
HSL	57°, 43%, 61%
HSV	57°, 43%, 78%
XYZ	45.5611, 51.7816, 23.2163
YIQ	185.9620, 28.3850, -24.3430

Conversions

Conversions Part 2

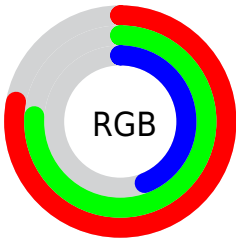
Format	Color
RYB	117, 198, 113
Decimal	13025905
CIELab	77.15, -10.20, 41.12
CIELCh	77, 42.366, 103.929
Yxy	51.7816, 0.3779, 0.4295
Android (android.graphics.Color)	4291215985 (0xFFC6C271)
YUV	185.9620, -35.9703, 10.5573
Hunter-Lab	71.9594, -12.9118, 31.2428

Details

The XYZ color **45.5611, 51.7816, 23.2163** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **23.3643, 20.3099, 56.1147**, and the grayscale version is **46.8359, 49.2751, 53.6605**.

A 20% lighter version of the original color is **82.3085, 92.3844, 49.5702**, and **21.7498, 25.2483, 8.4297** is the 20% darker color. If you saturate the color by 10%, you get **44.3599, 50.9726, 17.9037**, and if you desaturate by 10%, it is **47.0093, 52.6952, 29.8123**.

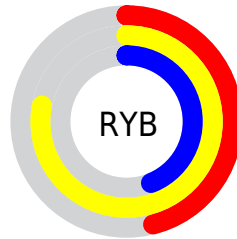
Distribution



Red (78%)

Green (76%)

Blue (44%)



Red (46%)

Yellow (78%)

Blue (44%)

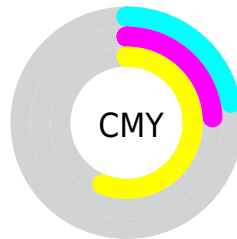


Cyan (0%)

Magenta (2%)

Yellow (43%)

Black (22%)



Cyan (22%)

Magenta (24%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5611, 51.7816, 23.2163 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 45.5611, 51.7816, 23.2163 by changing the saturation by 10% instead.

■ 45.5611, 51.7816,
23.2163

■ 45.5611, 51.7816,
23.2163

359.7869,
393.5929, 281.9919

■ 32.1028, 36.8310,
14.5465

■ 82.7937, 92.8091,
49.6759

■ 21.5959, 25.0767,
8.3587

■ 107.2986,
119.6547, 68.3029

■ 13.6752, 16.1342,
4.2342

■ 136.2164,
151.2342, 91.0859

■ 7.9753, 9.6192,
1.7547

169.9126,
187.9320, 118.4436

■ 4.1308, 5.1472,
0.3978

208.7523,
230.1323, 150.7945

■ 1.7764, 2.3339,
0.0000

253.1011,

■ 0.5034, 0.7916,

278.2196, 188.5572

0.0000

303.3241,
332.5784, 232.1501

■ 0.0000, 0.0000,
0.0000

■ 45.5611, 51.7816,
23.2163

■ 45.5611, 51.7816,
23.2163

■ 44.3599, 50.9726,
17.9037

■ 47.0093, 52.6952,
29.8123

■ 43.3860, 50.2548,
13.7870

■ 48.7154, 53.7121,
37.7649

■ 42.6227, 49.6233,
10.7731


■ 50.6939, 54.8400,
47.1459


■ 42.0494, 49.0699,
8.7537


■ 52.9573, 56.0841,
58.0209


■ 41.6415, 48.5846,
7.5986

■ 55.5173, 57.4488,
70.4514

 41.4206, 48.2698,
7.1339

 58.3851, 58.9388,
84.4958

 61.5709, 60.5581,
100.2090

 62.3302, 61.2088,
103.1371

 62.5484, 61.6452,
103.2098

Harmonies

Analogous

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



53.6570, 51.7816, 23.4561



45.5611, 51.7816, 23.2163



39.1803, 51.7816, 29.9652

Triad

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



45.5611, 51.7816, 23.2163



38.8275, 51.7816, 93.3467



65.7568, 51.7816, 69.6574

Complementary

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



45.5611, 51.7816, 23.2163



23.3643, 20.3099, 56.1147

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.



60.8359, 51.7816, 95.0077



45.5611, 51.7816, 23.2163



45.0286, 51.7816, 111.0426

Square

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



45.5611, 51.7816, 23.2163



35.5912, 51.7816, 67.8181



53.0631, 51.7816, 111.7225



65.9399, 51.7816, 46.3086

Rectangle

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



45.5611, 51.7816, 23.2163



36.5070, 51.7816, 38.9574



53.0631, 51.7816, 111.7225



64.5795, 51.7816, 78.3522

Sweetspot

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



45.5624, 51.7840, 23.2174



89.6697, 97.0559, 83.0094



32.4198, 25.1068, 20.0448



19.0164, 20.6747, 16.9259



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.



45.5624, 51.7840, 23.2174



78.5819, 90.2834, 31.8273



37.6222, 49.0283, 23.1040



11.4795, 12.3282, 11.3373



26.9551, 31.4273, 4.6454



1.2898, 1.5150, 0.2244

Inverse Universe

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



23.3643, 20.3099, 56.1147



33.9346, 26.9904, 98.0289



28.9076, 22.4913, 56.2436



10.0960, 10.3661, 13.3862



6.7120, 2.8180, 34.9345



0.3321, 0.1620, 1.6589

Previews

White Background



This preview shows how the XYZ color 45.5611, 51.7816, 23.2163 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 45.5611, 51.7816, 23.2163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

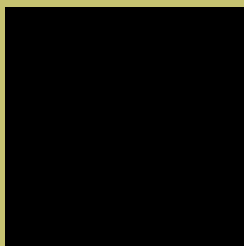
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.5611, 51.7816, 23.2163

Background



This preview shows how black text looks on a background with the XYZ color 45.5611, 51.7816, 23.2163.



This preview shows how white text looks on a background with the XYZ color 45.5611, 51.7816,

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

45.5611, 51.7816, 23.2163

Protanopia

47.8499, 51.9868, 22.8417

Deuteranopia

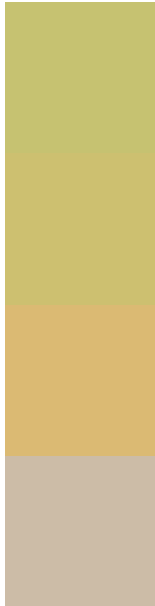
52.8353, 51.7058, 23.7185



Tritanopia

53.0657, 51.6236, 60.5936

Trichromacy



Original Color

45.5611, 51.7816, 23.2163

Protanomaly

46.9511, 51.8483, 22.8624

Deuteranomaly

49.8668, 51.4157, 23.5156

Tritanomaly

49.8601, 51.5938, 43.8899

Monochromacy



Original Color

45.5611, 51.7816, 23.2163

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

45.6908, 49.8455, 40.0139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5611, 51.7816, 23.2163 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(198, 194, 113)` looks like.

```
.text, #text, p{  
    color:rgb(198, 194, 113)  
}
```

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(198, 194, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 194, 113) }
```

Border

The CSS property to change the border of an element to XYZ 45.5611, 51.7816, 23.2163 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(198, 194, 113) }
```


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

```
.border{ border-color:rgb(198, 194, 113) }
```

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

Here you see how a box with a 4 pixel rgb(198, 194, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 194, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 194, 113);  
box-shadow:4px 4px 4px 4px rgb(198, 194,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5611, 51.7816, 23.2163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 194, 113) }
```

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

```
.background{ background-color: rgb(198,  
194, 113) }
```

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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