

Converting Colors

XYZ(46.7191, 51.6933, 23.0459)

Have a look what the booklet for
XYZ(46.7191, 51.6933, 23.0459)
contains.

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Color

**XYZ(46.7321, 51.7289,
23.1444)**

Conversions

Conversions Part 1

Format	Color
Hex	CCC071
RGB	204, 192, 113
RGB Percent	80%, 75%, 44%
CMY	0.2000, 0.2470, 0.5569
CMYK	0.00, 0.06, 0.45, 0.20
HSL	52°, 47%, 62%
HSV	52°, 45%, 80%
XYZ	46.7321, 51.7289, 23.1444
YIQ	186.5820, 32.5110, -22.0250

Conversions

Conversions Part 2

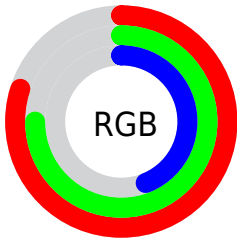
Format	Color
RYB	127, 204, 113
Decimal	13418609
CIELab	77.12, -6.74, 41.19
CIELCh	77, 41.737, 99.290
Yxy	51.7289, 0.3843, 0.4254
Android (android.graphics.Color)	4291608689 (0xFFCCC071)
YUV	186.5820, -36.2759, 15.2756
Hunter-Lab	71.9228, -9.8839, 31.2667

Details

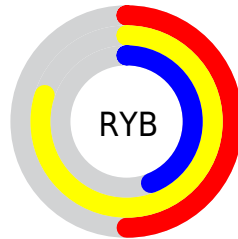
The XYZ color **46.7321, 51.7289, 23.1444** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **25.0426, 22.5368, 60.1568**, and the grayscale version is **47.1846, 49.6419, 54.0600**.

A 20% lighter version of the original color is **81.6903, 91.1480, 49.3642**, and **22.3426, 25.1200, 8.3737** is the 20% darker color. If you saturate the color by 10%, you get **45.1257, 50.1521, 17.5657**, and if you desaturate by 10%, it is **48.6099, 53.4353, 30.0883**.

Distribution



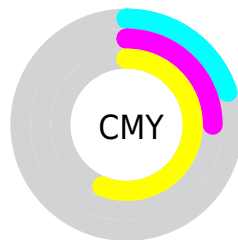
- Red (80%)
- Green (75%)
- Blue (44%)



- Red (50%)
- Yellow (80%)
- Blue (44%)



- Cyan (0%)
- Magenta (6%)
- Yellow (45%)
- Black (20%)



- Cyan (20%)
- Magenta (25%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7321, 51.7289, 23.1444 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 46.7321, 51.7289, 23.1444 by changing the saturation by 10% instead.

■ 46.7321, 51.7289,
23.1444

■ 46.7321, 51.7289,
23.1444

364.4110,
393.3891, 281.6117

■ 33.0310, 36.7890,
14.4939

■ 84.5348, 92.7313,
49.5565

■ 22.3095, 25.0442,
8.3223

■ 109.3670,
119.5626, 68.1552

■ 14.2024, 16.1100,
4.2111

■ 138.6404,
151.1266, 90.9070

■ 8.3442, 9.6020,
1.7419

172.7202,
187.8075, 118.2304

■ 4.3696, 5.1359,
0.3892

211.9718,
229.9898, 150.5441

■ 1.9133, 2.3272,
0.0000

256.7605,

■ 0.5845, 0.7881,

278.0579, 188.2665

0.0000

307.4518,
332.3962, 231.8162

■ 0.0000, 0.0000,
0.0000

■ 46.7321, 51.7289,
23.1444

■ 46.7321, 51.7289,
23.1444

■ 45.1257, 50.1521,
17.5657

■ 48.6099, 53.4353,
30.0883

■ 43.7695, 48.6907,
13.2569

■ 50.7714, 55.2706,
38.4779

■ 42.6449, 47.3390,
10.1152

■ 53.2325, 57.2432,
48.3912

■ 41.7291, 46.0878,
8.0208

■ 56.0067, 59.3586,
59.8997

■ 40.9944, 44.9259,
6.8276

■ 59.1069, 61.6220,
73.0704

■ 40.6458, 44.3253,
6.4134

■ 62.5451, 64.0383,
87.9663

■ 66.2033, 66.5604,
103.9659

■ 66.8762, 67.9062,
104.1902

■ 67.5604, 69.2745,
104.4182

Harmonies

Analogous

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



54.7927, 51.7289, 24.4174



46.7321, 51.7289, 23.1444



40.0797, 51.7289, 28.7086

Triad

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



46.7321, 51.7289, 23.1444



38.2258, 51.7289, 88.9704



64.9541, 51.7289, 73.3298

Complementary

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



46.7321, 51.7289, 23.1444



25.0426, 22.5368, 60.1568

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.



59.5329, 51.7289, 97.6194



46.7321, 51.7289, 23.1444



43.9398, 51.7289, 108.2126

Square

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



46.7321, 51.7289, 23.1444



35.5304, 51.7289, 63.7168



51.6846, 51.7289, 111.7466



65.9098, 51.7289, 49.5263

Rectangle

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



46.7321, 51.7289, 23.1444



37.1237, 51.7289, 36.7376



51.6846, 51.7289, 111.7466



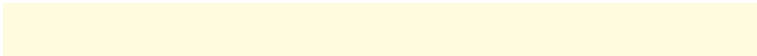
63.5677, 51.7289, 81.8667

Sweetspot

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



46.7334, 51.7313, 23.1455



88.7866, 95.2896, 82.7151



34.5175, 26.1322, 22.6721



18.7959, 20.2336, 16.8523



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.



46.7334, 51.7313, 23.1455



74.7093, 83.0329, 29.0116



41.2885, 52.9948, 23.6763



12.0228, 12.8346, 11.9231



25.6320, 27.9970, 4.0530



1.3582, 1.5161, 0.2211

Inverse Universe

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



25.0426, 22.5368, 60.1568



34.1534, 28.4766, 98.3042



28.7240, 22.3151, 59.9199



10.7190, 11.0784, 14.1438



7.1440, 3.3120, 36.2190



0.4086, 0.2510, 1.8819

Previews

White Background



This preview shows how the XYZ color 46.7321, 51.7289, 23.1444 looks on a white background.

Color Contrast Check

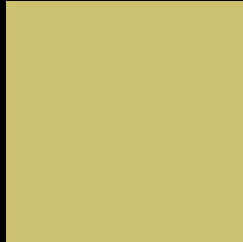
Large Text (above 18pt) WCAG AA × Fail

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 46.7321, 51.7289, 23.1444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

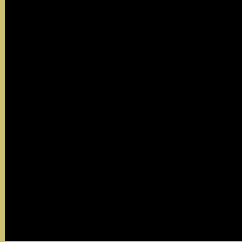
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7321, 51.7289, 23.1444

Background



This preview shows how black text looks on a background with the XYZ color 46.7321, 51.7289, 23.1444.



This preview shows how white text looks on a background with the XYZ color 46.7321, 51.7289,

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

46.7321, 51.7289, 23.1444

Protanopia

47.6326, 51.5521, 22.7693

Deuteranopia

52.7775, 51.6826, 23.4137



Tritanopia

54.1323, 51.5876, 59.3289

Trichromacy



Original Color

46.7321, 51.7289, 23.1444

Protanomaly

47.2876, 51.6969, 22.8154

Deuteranomaly

50.4150, 51.7049, 23.2425

Tritanomaly

51.0202, 51.5726, 43.3419

Monochromacy



Original Color

46.7321, 51.7289, 23.1444

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.5351, 50.2707, 40.5083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7321, 51.7289, 23.1444 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(204, 192, 113)` looks like.

```
.text, #text, p{  
    color:rgb(204, 192, 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(204, 192, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 192, 113) }
```

Border

The CSS property to change the border of an element to XYZ 46.7321, 51.7289, 23.1444 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(204, 192, 113) }
```


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

```
.border{ border-color:rgb(204, 192, 113) }
```

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

Here you see how a box with a 4 pixel rgb(204, 192, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 192, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 192, 113);  
box-shadow:4px 4px 4px 4px rgb(204, 192,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7321, 51.7289, 23.1444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 192, 113) }
```

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

```
.background{ background-color: rgb(204,  
192, 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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