

Converting Colors

XYZ(46.1779, 52.7804, 22.7424)

Have a look what the booklet for
XYZ(46.1779, 52.7804, 22.7424)
contains.

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Color

**XYZ(46.1624, 52.7697,
22.7915)**

Conversions

Conversions Part 1

Format	Color
Hex	C7C46F
RGB	199, 196, 111
RGB Percent	78%, 77%, 44%
CMY	0.2196, 0.2314, 0.5647
CMYK	0.00, 0.02, 0.44, 0.22
HSL	58°, 44%, 61%
HSV	58°, 44%, 78%
XYZ	46.1624, 52.7697, 22.7915
YIQ	187.2070, 29.0730, -25.7990

Conversions

Conversions Part 2

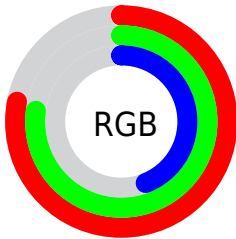
Format	Color
RYB	114, 199, 111
Decimal	13091951
CIELab	77.74, -11.02, 42.87
CIELCh	78, 44.263, 104.419
Yxy	52.7697, 0.3792, 0.4335
Android (android.graphics.Color)	4291282031 (0xFFC7C46F)
YUV	187.2070, -37.5701, 10.3425
Hunter-Lab	72.6428, -13.6932, 32.2478

Details

The XYZ color **46.1624, 52.7697, 22.7915** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **22.8816, 19.5372, 56.5979**, and the grayscale version is **47.5462, 50.0223, 54.4742**.

A 20% lighter version of the original color is **82.7512, 93.5611, 48.8196**, and **21.8163, 25.5119, 8.0494** is the 20% darker color. If you saturate the color by 10%, you get **45.0346, 52.0766, 17.5989**, and if you desaturate by 10%, it is **47.5375, 53.5666, 29.2720**.

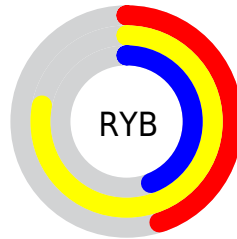
Distribution



Red (78%)

Green (77%)

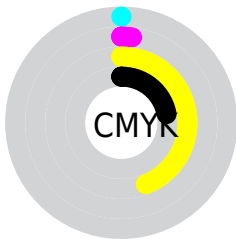
Blue (44%)



Red (45%)

Yellow (78%)

Blue (44%)

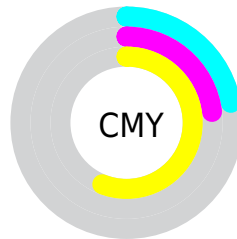


Cyan (0%)

Magenta (2%)

Yellow (44%)

Black (22%)



Cyan (22%)

Magenta (23%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1624, 52.7697, 22.7915 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 46.1624, 52.7697, 22.7915 by changing the saturation by 10% instead.

■ 46.1624, 52.7697,
22.7915

■ 46.1624, 52.7697,
22.7915

362.1662,
397.4009, 279.7394

■ 32.5792, 37.6190,
14.2358

■ 83.6884, 94.2654,
48.9696

■ 21.9619, 25.6871,
8.1442

■ 108.3618,
121.3791, 67.4290

■ 13.9454, 16.5897,
4.0983

■ 137.4627,
153.2493, 90.0268

■ 8.1641, 9.9424,
1.6794

■ 171.3564,
190.2604, 117.1814

■ 4.2528, 5.3608,
0.3466

210.4082,
232.7967, 149.3115

■ 1.8461, 2.4605,
0.0000

254.9835,

■ 0.5452, 0.8567,

281.2426, 186.8355

0.0000

305.4477,
335.9825, 230.1719

■ 0.0000, 0.0000,
0.0000

■ 46.1624, 52.7697,
22.7915

■ 46.1624, 52.7697,
22.7915

■ 45.0346, 52.0766,
17.5989

■ 47.5375, 53.5666,
29.2720

■ 44.1340, 51.4736,
13.6047

■ 49.1711, 54.4661,
37.1155

■ 43.4433, 50.9557,
10.7128


■ 51.0781, 55.4761,
46.3954


■ 42.9414, 50.5143,
8.8113


■ 53.2712, 56.6017,
57.1787


■ 42.6024, 50.1393,
7.7645


■ 55.7623, 57.8475,
69.5282

 42.4529, 49.9415,
7.4022

 58.5629, 59.2183,
83.5032

 61.6834, 60.7181,
99.1600

 62.5886, 61.3329,
103.1474

 62.7472, 61.6502,
103.2003

Harmonies

Analogous

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



54.7151, 52.7697, 22.9256



46.1624, 52.7697, 22.7915



39.4811, 52.7697, 29.9050

Triad

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



46.1624, 52.7697, 22.7915



39.2799, 52.7697, 97.2358



67.7682, 52.7697, 71.0929

Complementary

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



46.1624, 52.7697, 22.7915



22.8816, 19.5372, 56.5979

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.



62.6000, 52.7697, 98.2005



46.1624, 52.7697, 22.7915



45.8575, 52.7697, 115.9810

Square

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



46.1624, 52.7697, 22.7915



35.8256, 52.7697, 70.0323



54.3736, 52.7697, 116.3773



67.8740, 52.7697, 46.4855

Rectangle

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



46.1624, 52.7697, 22.7915



36.7090, 52.7697, 39.3890



54.3736, 52.7697, 116.3773



66.5412, 52.7697, 80.3464

Sweetspot

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



46.1637, 52.7721, 22.7926



89.8059, 97.3282, 83.0548



32.3556, 24.7586, 19.4149



19.0505, 20.7428, 16.9372



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.



46.1637, 52.7721, 22.7926



78.9313, 91.2330, 31.1712



37.6705, 49.4066, 22.5906



11.4918, 12.3527, 11.3414



27.3118, 32.1408, 4.7643



1.3031, 1.5417, 0.2289

Inverse Universe

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



22.8816, 19.5372, 56.5979



33.0390, 25.7305, 97.8329



28.6821, 22.0342, 56.7741



10.0851, 10.3443, 13.3826



6.6891, 2.7721, 34.9269



0.3271, 0.1519, 1.6572

Previews

White Background



This preview shows how the XYZ color 46.1624, 52.7697, 22.7915 looks on a white background.

Color Contrast Check

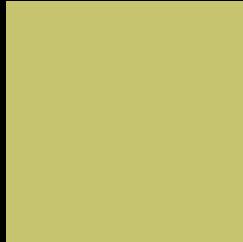
Large Text (above 18pt) WCAG AA × Fail

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 46.1624, 52.7697, 22.7915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

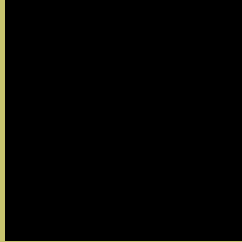
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.1624, 52.7697, 22.7915

Background



This preview shows how black text looks on a background with the XYZ color 46.1624, 52.7697, 22.7915.



This preview shows how white text looks on a background with the XYZ color 46.1624, 52.7697,

22.7915.

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

46.1624, 52.7697, 22.7915

Protanopia

48.5281, 52.6739, 22.3612

Deuteranopia

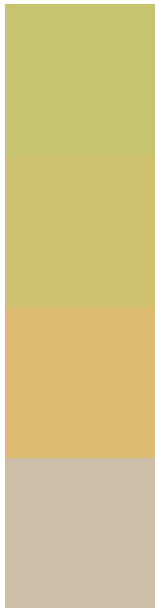
53.5750, 52.4055, 23.2112



Tritanopia

54.2787, 52.8433, 61.9826

Trichromacy



Original Color

46.1624, 52.7697, 22.7915

Protanomaly

47.6166, 52.5311, 22.3817

Deuteranomaly

50.7826, 52.5308, 23.0857

Tritanomaly

50.6582, 52.6332, 44.5350

Monochromacy



Original Color

46.1624, 52.7697, 22.7915

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.1573, 50.4065, 40.0976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1624, 52.7697, 22.7915 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(199, 196, 111)` looks like.

```
.text, #text, p{  
    color:rgb(199, 196, 111)  
}
```

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(199, 196, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 196, 111) }
```

Border

The CSS property to change the border of an element to XYZ 46.1624, 52.7697, 22.7915 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(199, 196, 111) }
```


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

```
.border{ border-color:rgb(199, 196, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 196, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 196, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 196, 111);  
box-shadow:4px 4px 4px 4px rgb(199, 196,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1624, 52.7697, 22.7915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 196, 111) }
```

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

```
.background{ background-color: rgb(199,  
196, 111) }
```

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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