

Converting Colors

XYZ(22.8169, 17.2633, 4.6631)

Have a look what the booklet for
XYZ(22.8169, 17.2633, 4.6631)
contains.

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Color

**XYZ(22.8246, 17.2631,
4.7139)**

Conversions

Conversions Part 1

Format	Color
Hex	B35B2E
RGB	179, 91, 46
RGB Percent	70%, 36%, 18%
CMY	0.2980, 0.6431, 0.8196
CMYK	0.00, 0.49, 0.74, 0.30
HSL	20°, 59%, 44%
HSV	20°, 74%, 70%
XYZ	22.8246, 17.2631, 4.7139
YIQ	112.1820, 66.8930, 4.6610

Conversions

Conversions Part 2

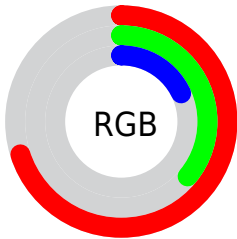
Format	Color
R _Y B	179, 114, 46
Decimal	11754286
CIE Lab	48.59, 32.38, 41.13
CIE LCh	49, 52.350, 51.792
Yxy	17.2631, 0.5095, 0.3853
Android (android.graphics.Color)	4289944366 (0xFFB35B2E)
YUV	112.1820, -32.6277, 58.5994
Hunter-Lab	41.5489, 25.3472, 22.3575

Details

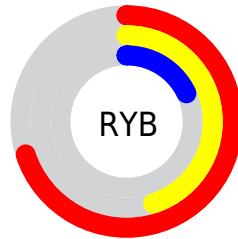
The XYZ color **22.8246, 17.2631, 4.7139** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **17.7878, 20.8844, 45.7410**, and the grayscale version is **15.5342, 16.3432, 17.7977**.

A 20% lighter version of the original color is **47.7780, 38.9783, 15.5951**, and **8.5737, 5.6490, 0.6385** is the 20% darker color. If you saturate the color by 10%, you get **21.6088, 15.2834, 2.9161**, and if you desaturate by 10%, it is **24.3481, 19.6231, 7.3401**.

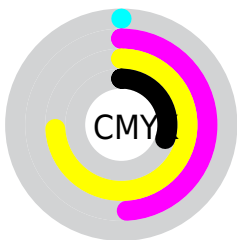
Distribution



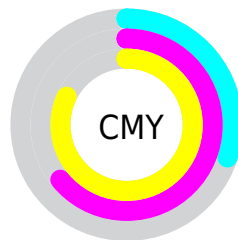
- Red (70%)
- Green (36%)
- Blue (18%)



- Red (70%)
- Yellow (45%)
- Blue (18%)



- Cyan (0%)
- Magenta (49%)
- Yellow (74%)
- Black (30%)



- Cyan (30%)
- Magenta (64%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8246, 17.2631, 4.7139 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 22.8246, 17.2631, 4.7139 by changing the saturation by 10% instead.

■ 22.8246, 17.2631,
4.7139

■ 22.8246, 17.2631,
4.7139

259.3750,
236.6840, 155.8575

■ 14.5840, 10.4223,
2.0246

■ 47.5739, 38.7776,
15.6254

■ 8.6124, 5.6798,
0.5703

■ 64.8134, 54.2200,
24.6846

■ 4.5443, 2.6514,
0.0000

■ 85.7832, 73.2984,
36.7043

■ 2.0144, 0.9526,
0.0000

■ 110.8488, 96.3972,
52.1029

■ 0.6421, 0.0000,
0.0000

■ 140.3754,
123.9008, 71.2990

■ 0.0000, 0.0000,
0.0000

■ 174.7284,

156.1935, 94.7111

214.2731,
193.6598, 122.7578

■ 22.8246, 17.2631,
4.7139

■ 22.8246, 17.2631,
4.7139

■ 21.6088, 15.2834,
2.9161

■ 24.3481, 19.6231,
7.3401

■ 20.6724, 13.6584,
1.8397

■ 26.2013, 22.3810,
10.8821

■ 20.2361, 12.8754,
1.4186

■ 28.4054, 25.5567,
15.4167

■ 30.9793, 29.1676,
21.0127

■ 33.9403, 33.2301,
27.7323

■ 37.3047, 37.7597,
35.6332

■ 41.0876, 42.7712,
44.7688

■ 45.3034, 48.2786,
55.1895

■ 49.9660, 54.2954,
66.9427

Harmonies

Analogous

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



26.5904, 17.2631, 10.5732



22.8246, 17.2631, 4.7139



17.7653, 17.2631, 2.8739

Triad

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



22.8246, 17.2631, 4.7139



8.8462, 17.2631, 15.2604



20.0896, 17.2631, 55.7172

Complementary

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



22.8246, 17.2631, 4.7139



17.7878, 20.8844, 45.7410

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.



15.1218, 17.2631, 59.1335



22.8246, 17.2631, 4.7139



9.2269, 17.2631, 30.4547

Square

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



22.8246, 17.2631, 4.7139



10.1567, 17.2631, 6.7060



11.3232, 17.2631, 48.2671



24.8086, 17.2631, 40.4215

Rectangle

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



22.8246, 17.2631, 4.7139



14.5883, 17.2631, 2.9571



11.3232, 17.2631, 48.2671



18.3732, 17.2631, 58.5175

Sweetspot

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



22.8250, 17.2640, 4.7142



61.8921, 61.0138, 52.2303



23.9170, 13.2776, 24.1011



13.3747, 13.0596, 10.7903



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



22.8250, 17.2640, 4.7142



37.6054, 25.4951, 3.8887



31.1122, 33.8384, 7.4766



8.7236, 8.9597, 8.9221



14.3547, 9.2080, 1.0207



0.5070, 0.4004, 0.0506

Inverse Universe

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



17.7878, 20.8844, 45.7410



27.9361, 31.9415, 81.0741



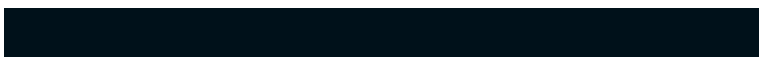
11.3407, 7.9901, 43.5920



8.4956, 9.1375, 10.8223



10.4256, 11.6515, 31.8365



0.3794, 0.4693, 1.0188

Previews

White Background



This preview shows how the XYZ color 22.8246, 17.2631, 4.7139 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 22.8246, 17.2631, 4.7139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.8246, 17.2631, 4.7139

Background



This preview shows how black text looks on a background with the XYZ color 22.8246, 17.2631, 4.7139.



This preview shows how white text looks on a background with the XYZ color 22.8246, 17.2631,

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

22.8246, 17.2631, 4.7139

Protanopia

15.9413, 17.4150, 5.8894

Deuteranopia

17.6532, 17.3317, 4.5127



Tritanopia

24.3156, 17.2520, 12.1736

Trichromacy



Original Color

22.8246, 17.2631, 4.7139

Protanomaly

17.8660, 16.9487, 5.3474

Deuteranomaly

19.1909, 17.0430, 4.5637

Tritanomaly

23.5821, 17.1907, 8.7318

Monochromacy



Original Color

22.8246, 17.2631, 4.7139

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.8651, 15.8394, 11.4010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8246, 17.2631, 4.7139 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(179, 91, 46)` looks like.

```
.text, #text, p{  
    color:rgb(179, 91, 46)  
}
```

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(179, 91, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 91, 46) }
```

Border

The CSS property to change the border of an element to XYZ 22.8246, 17.2631, 4.7139 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(179, 91, 46) }
```


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

```
.border{ border-color:rgb(179, 91, 46) }
```

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

Here you see how a box with a 4 pixel rgb(179, 91, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 91, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 91, 46);  
box-shadow:4px 4px 4px 4px rgb(179, 91,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8246, 17.2631, 4.7139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 91, 46) }
```

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

```
.background{ background-color: rgb(179, 91,  
46) }
```

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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