

Converting Colors

XYZ(22.9282, 17.5506, 2.1791)

Have a look what the booklet for
XYZ(22.9282, 17.5506, 2.1791)
contains.

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Color

**XYZ(22.8832, 17.4780,
2.1675)**

Conversions

Conversions Part 1

Format	Color
Hex	B55C00
RGB	181, 92, 0
RGB Percent	71%, 36%, 0%
CMY	0.2902, 0.6392, 1.0000
CMYK	0.00, 0.49, 1.00, 0.29
HSL	30°, 100%, 35%
HSV	30°, 100%, 71%
XYZ	22.8832, 17.4780, 2.1675
YIQ	108.1230, 82.5760, -9.7440

Conversions

Conversions Part 2

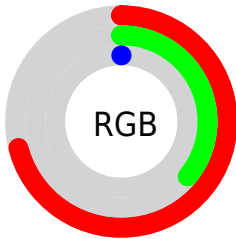
Format	Color
RYB	175, 181, 0
Decimal	11885568
CIELab	48.86, 31.49, 57.62
CIElCh	49, 65.664, 61.339
Yxy	17.4780, 0.5381, 0.4110
Android (android.graphics.Color)	4290075648 (0xFFB55C00)
YUV	108.1230, -53.3046, 63.9131
Hunter-Lab	41.8067, 24.5416, 26.1908

Details

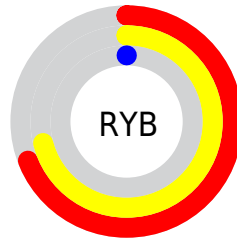
The XYZ color **22.8832, 17.4780, 2.1675** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **11.9127, 10.4807, 45.1109**, and the grayscale version is **14.4178, 15.1687, 16.5187**.

A 20% lighter version of the original color is **47.6269, 39.0365, 9.4395**, and **8.7858, 5.8663, 0.6692** is the 20% darker color. If you saturate the color by 10%, you get **22.8834, 17.4786, 2.1676**, and if you desaturate by 10%, it is **23.8104, 19.1567, 3.0194**.

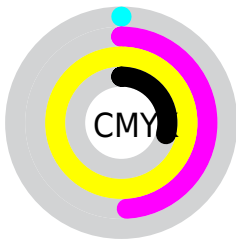
Distribution



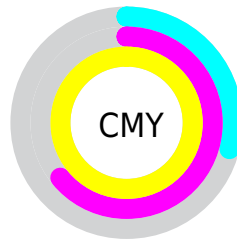
- Red (71%)
- Green (36%)
- Blue (0%)



- Red (69%)
- Yellow (71%)
- Blue (0%)



- Cyan (0%)
- Magenta (49%)
- Yellow (100%)
- Black (29%)





- Cyan (29%)
- Magenta (64%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.8832, 17.4780, 2.1675 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 22.8832, 17.4780, 2.1675 by changing the saturation by 10% instead.


 22.8832, 17.4780,
2.1675


 22.8832, 17.4780,
2.1675


259.6711,
237.9121, 124.9258


 14.6275, 10.5759,
0.6555


 47.6695, 39.1458,
9.4939


 8.6430, 5.7824,
0.0000

 64.9309, 54.6803,
16.1771

 4.5643, 2.7132,
0.0000

 85.9249, 73.8610,
25.4318

 2.0261, 0.9839,
0.0000

 111.0168, 97.0724,
37.6765

 0.6485, 0.0000,
0.0000

 140.5720,
124.6988, 53.3297

 0.0000, 0.0000,
0.0000

 174.9559,

157.1246, 72.8099

214.5338,
194.7342, 96.5358

22.8832, 17.4780,
2.1675

22.8832, 17.4780,
2.1675

22.8834, 17.4786,
2.1676

23.8104, 19.1567,
3.0194

24.9324, 21.0621,
4.4368

26.2906, 23.2163,
6.6231

27.9065, 25.6321,
9.6769

29.7982, 28.3210,
13.6817

■ 31.9821, 31.2935,
18.7111

■ 34.4731, 34.5596,
24.8314

■ 37.2848, 38.1283,
32.1032

■ 40.4301, 42.0085,
40.5827

Harmonies

Analogous

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



28.7505, 17.4780, 6.3773



22.8832, 17.4780, 2.1675



16.3403, 17.4780, 1.3400

Triad

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



22.8832, 17.4780, 2.1675



7.4424, 17.4780, 19.8246



23.4747, 17.4780, 64.4272

Complementary

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



22.8832, 17.4780, 2.1675



11.9127, 10.4807, 45.1109

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.



16.8873, 17.4780, 76.0730



22.8832, 17.4780, 2.1675



8.4858, 17.4780, 42.3344

Square

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



22.8832, 17.4780, 2.1675



8.3122, 17.4780, 7.0545



11.6065, 17.4780, 66.2094



29.1466, 17.4780, 40.0644

Rectangle

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



22.8832, 17.4780, 2.1675



12.7064, 17.4780, 1.7695



11.6065, 17.4780, 66.2094



21.2464, 17.4780, 70.4516

Sweetspot

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



22.8836, 17.4790, 2.1678



61.5028, 61.5885, 43.8724



20.9229, 10.5705, 10.7228



12.8810, 12.7757, 8.4566



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.



22.8836, 17.4790, 2.1678



40.7555, 30.8472, 3.8060



35.5797, 42.8712, 6.3998



8.8415, 9.1955, 8.9614



15.8450, 12.1886, 1.5175



0.5568, 0.5000, 0.0672

Inverse Universe

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



11.9127, 10.4807, 45.1109



21.1085, 18.3167, 80.7176



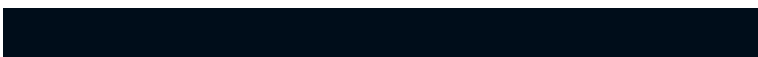
8.3405, 3.3363, 43.9202



8.3754, 8.8971, 10.7822



8.2814, 7.3632, 31.1217



0.3190, 0.3485, 0.9987

Previews

White Background



This preview shows how the XYZ color 22.8832, 17.4780, 2.1675 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 22.8832, 17.4780, 2.1675 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 × Fail

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

XYZ 22.8832, 17.4780, 2.1675

Background



This preview shows how black text looks on a background with the XYZ color 22.8832, 17.4780, 2.1675.



This preview shows how white text looks on a background with the XYZ color 22.8832, 17.4780,

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

22.8832, 17.4780, 2.1675

Protanopia

15.9705, 17.6655, 3.0583

Deuteranopia

17.7171, 17.5719, 2.4579



Tritanopia

24.9833, 17.6013, 11.9781

Trichromacy



Original Color

22.8832, 17.4780, 2.1675

Protanomaly

17.9950, 17.2311, 2.6646

Deuteranomaly

19.2484, 17.2716, 2.3192

Tritanomaly

23.7819, 17.3522, 6.0989

Monochromacy



Original Color

22.8832, 17.4780, 2.1675

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.8172, 15.0833, 7.7079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8832, 17.4780, 2.1675 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(181, 92, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 92, 0)  
}
```

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(181, 92, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 92, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.8832, 17.4780, 2.1675 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(181, 92, 0) }
```


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

```
.border{ border-color:rgb(181, 92, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 92, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 92, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 92, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 92, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.8832, 17.4780, 2.1675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 92, 0) }
```

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

```
.background{ background-color: rgb(181, 92,  
0) }
```

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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