

Converting Colors

XYZ(22.5063, 16.5308, 2.5815)

Have a look what the booklet for
XYZ(22.5063, 16.5308, 2.5815)
contains.

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Color

**XYZ(22.4930, 16.5230,
2.5760)**

Conversions

Conversions Part 1

Format	Color
Hex	B55612
RGB	181, 86, 18
RGB Percent	71%, 34%, 7%
CMY	0.2902, 0.6627, 0.9294
CMYK	0.00, 0.52, 0.90, 0.29
HSL	25°, 82%, 39%
HSV	25°, 90%, 71%
XYZ	22.4930, 16.5230, 2.5760
YIQ	106.6530, 78.4480, -1.0080

Conversions

Conversions Part 2

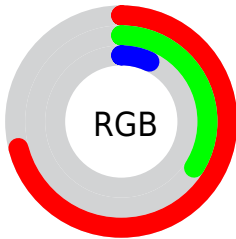
Format	Color
R_{YB}	181, 135, 18
Decimal	11884050
CIE Lab	47.65, 34.90, 52.33
CIE LCh	48, 62.904, 56.298
Yxy	16.5230, 0.5408, 0.3973
Android (android.graphics.Color)	4290074130 (0xFFB55612)
YUV	106.6530, -43.7059, 65.2023
Hunter-Lab	40.6485, 27.6388, 24.6966

Details

The XYZ color **22.4930, 16.5230, 2.5760** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **14.4946, 15.2741, 45.8999**, and the grayscale version is **13.9815, 14.7096, 16.0188**.

A 20% lighter version of the original color is **47.1561, 37.6738, 10.5807**, and **8.5467, 5.3881, 0.5895** is the 20% darker color. If you saturate the color by 10%, you get **21.6070, 14.9259, 1.7422**, and if you desaturate by 10%, it is **23.6095, 18.4190, 3.9881**.

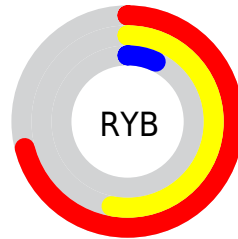
Distribution



Red (71%)

Green (34%)

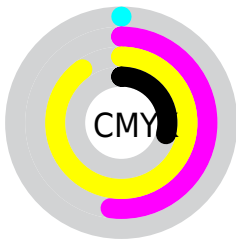
Blue (7%)



Red (71%)

Yellow (53%)

Blue (7%)

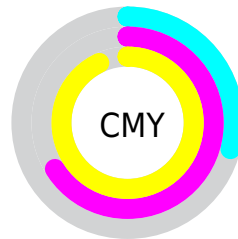


Cyan (0%)

Magenta (52%)

Yellow (90%)

Black (29%)



Cyan (29%)


Magenta (66%)


Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4930, 16.5230, 2.5760 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 22.4930, 16.5230, 2.5760 by changing the saturation by 10% instead.

 22.4930, 16.5230,
2.5760


 22.4930, 16.5230,
2.5760


257.6944,
232.4084, 130.7623


 14.3382, 9.8950,
0.8800


 47.0323, 37.5038,
10.5629


 8.4396, 5.3294,
0.0000


 64.1475, 52.6254,
17.6934


 4.4316, 2.4418,
0.0000

 84.9803, 71.3470,
27.4733

 1.9491, 0.8473,
0.0000

 109.8959, 94.0529,
40.3211


 0.6051, 0.0000,
0.0000


 139.2598,
121.1276, 56.6553


 0.0000, 0.0000,
0.0000


 173.4372,


152.9555, 76.8946


 212.7937,
189.9210, 101.4574


 22.4930, 16.5230,
2.5760


 22.4930, 16.5230,
2.5760


 21.6070, 14.9259,
1.7422

 23.6095, 18.4190,
3.9881

 24.9950, 20.6288,
6.1794

 26.6729, 23.1705,
9.2493

 28.6638, 26.0593,
13.2821

 30.9857, 29.3096,
18.3521

■ 33.6553, 32.9346,
24.5262

■ 36.6878, 36.9469,
31.8656

■ 40.0977, 41.3583,
40.4270

■ 43.8985, 46.1802,
50.2633

Harmonies

Analogous

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



27.5152, 16.5230, 7.4709



22.4930, 16.5230, 2.5760



16.4124, 16.5230, 1.4108

Triad

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



22.4930, 16.5230, 2.5760



7.2035, 16.5230, 16.0664



20.9928, 16.5230, 62.4162

Complementary

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



22.4930, 16.5230, 2.5760



14.4946, 15.2741, 45.8999

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.



15.0175, 16.5230, 69.8855



22.4930, 16.5230, 2.5760



7.8749, 16.5230, 35.4714

Square

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



22.4930, 16.5230, 2.5760



8.3233, 16.5230, 5.7060



10.4412, 16.5230, 57.9498



26.5140, 16.5230, 41.1938

Rectangle

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



22.4930, 16.5230, 2.5760



12.8641, 16.5230, 1.6379



10.4412, 16.5230, 57.9498



18.9352, 16.5230, 67.0133

Sweetspot

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



22.4934, 16.5239, 2.5763



61.6264, 60.7885, 47.1424



22.2576, 11.4505, 16.6846



12.9463, 12.6395, 9.3011



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.



22.4934, 16.5239, 2.5763



38.4852, 26.3065, 3.0493



33.0602, 37.6575, 6.0985



8.7780, 9.0684, 8.9403



14.9609, 10.4203, 1.2228



0.5289, 0.4442, 0.0579

Inverse Universe

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



14.4946, 15.2741, 45.8999



23.8440, 23.7877, 81.6294



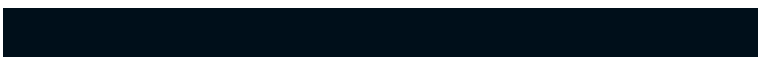
9.0953, 4.4756, 44.1002



8.4396, 9.0253, 10.8036



9.3361, 9.4725, 31.4733



0.3498, 0.4101, 1.0090

Previews

White Background



This preview shows how the XYZ color 22.4930, 16.5230, 2.5760 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 22.4930, 16.5230, 2.5760 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 22.4930, 16.5230, 2.5760

Background



This preview shows how black text looks on a background with the XYZ color 22.4930, 16.5230, 2.5760.



This preview shows how white text looks on a background with the XYZ color 22.4930, 16.5230,

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

22.4930, 16.5230, 2.5760

Protanopia

15.0949, 16.6940, 3.3464

Deuteranopia

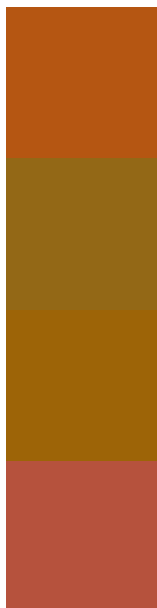
16.8642, 16.6544, 2.3258



Tritanopia

24.0768, 16.4765, 10.7154

Trichromacy



Original Color

22.4930, 16.5230, 2.5760

Protanomaly

17.1278, 16.1616, 2.9758

Deuteranomaly

18.5001, 16.2978, 2.3717

Tritanomaly

23.1510, 16.3166, 6.3441

Monochromacy



Original Color

22.4930, 16.5230, 2.5760

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

15.5634, 14.5000, 8.6351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4930, 16.5230, 2.5760 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, 86, 18)` looks like.

```
.text, #text, p{  
    color:rgb(181, 86, 18)  
}
```

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, 86, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 86, 18) }
```

Border

The CSS property to change the border of an element to XYZ 22.4930, 16.5230, 2.5760 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, 86, 18) }
```


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

```
.border{ border-color:rgb(181, 86, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 86, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 86, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 86, 18);  
box-shadow:4px 4px 4px 4px rgb(181, 86,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4930, 16.5230, 2.5760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 86, 18) }
```

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

```
.background{ background-color: rgb(181, 86,  
18) }
```

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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