

Converting Colors

XYZ(22.5355, 15.8690, 1.8753)

Have a look what the booklet for
XYZ(22.5355, 15.8690, 1.8753)
contains.

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Color

**XYZ(22.6358, 15.9277,
1.8813)**

Conversions

Conversions Part 1

Format	Color
Hex	B85000
RGB	184, 80, 0
RGB Percent	72%, 31%, 0%
CMY	0.2784, 0.6862, 1.0000
CMYK	0.00, 0.57, 1.00, 0.28
HSL	26°, 100%, 36%
HSV	26°, 100%, 72%
XYZ	22.6358, 15.9277, 1.8813
YIQ	101.9760, 87.6640, -2.8320

Conversions

Conversions Part 2

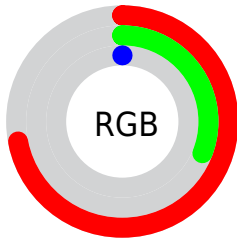
Format	Color
RYB	184, 142, 0
Decimal	12079104
CIELab	46.88, 38.89, 56.71
CIElCh	47, 68.764, 55.557
Yxy	15.9277, 0.5597, 0.3938
Android (android.graphics.Color)	4290269184 (0xFFB85000)
YUV	101.9760, -50.2742, 71.9350
Hunter-Lab	39.9095, 31.3996, 25.1418

Details

The XYZ color **22.6358, 15.9277, 1.8813** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **13.6015, 13.3603, 47.2088**, and the grayscale version is **12.7350, 13.3982, 14.5906**.

A 20% lighter version of the original color is **47.3985, 36.5925, 8.7025**, and **8.6077, 5.0897, 0.5287** is the 20% darker color. If you saturate the color by 10%, you get **22.6360, 15.9283, 1.8814**, and if you desaturate by 10%, it is **23.5700, 17.6163, 2.7477**.

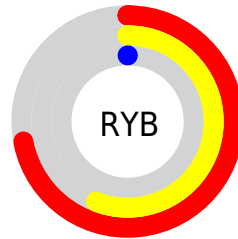
Distribution



Red (72%)

Green (31%)

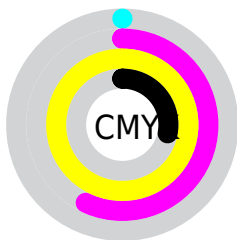
Blue (0%)



Red (72%)

Yellow (56%)

Blue (0%)

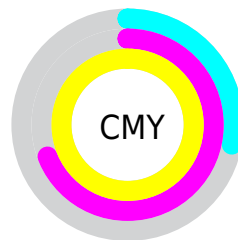


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (28%)



Cyan (28%)


Magenta (69%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 22.6358, 15.9277, 1.8813 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 22.6358, 15.9277, 1.8813 by changing the saturation by 10% instead.


 22.6358, 15.9277,
1.8813


 22.6358, 15.9277,
1.8813


 258.4192,
228.9147, 120.5055


 14.4440, 9.4730,
0.4808


 47.2657, 36.4726,
8.7137


 8.5139, 5.0510,
0.0000


 64.4345, 51.3317,
15.0589


 4.4801, 2.2772,
0.0000

 85.3264, 69.7610,
23.9149

 1.9771, 0.7616,
0.0000

 110.3067, 92.1449,
35.7003

 0.6211, 0.0000,
0.0000


 139.7408,
118.8678, 50.8335


 0.0000, 0.0000,
0.0000


 173.9940,


150.3142, 69.7330


 213.4317,
186.8683, 92.8175


 22.6358, 15.9277,
1.8813


 22.6358, 15.9277,
1.8813


 22.6360, 15.9283,
1.8814

 23.5700, 17.6163,
2.7477

 24.7326, 19.5923,
4.2122

 26.1683, 21.8817,
6.4844

 27.9007, 24.5015,
9.6674

 29.9506, 27.4666,
13.8489

■ 32.3365, 30.7911,
19.1060

■ 35.0753, 34.4879,
25.5083

■ 38.1824, 38.5694,
33.1194

■ 41.6726, 43.0472,
41.9980

Harmonies

Analogous

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



28.0949, 15.9277, 6.6465



22.6358, 15.9277, 1.8813



16.0492, 15.9277, 0.8578

Triad

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



22.6358, 15.9277, 1.8813



6.3117, 15.9277, 14.9095



20.6736, 15.9277, 67.3986

Complementary

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



22.6358, 15.9277, 1.8813



13.6015, 13.3603, 47.2088

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.



14.2635, 15.9277, 75.4341



22.6358, 15.9277, 1.8813



6.9414, 15.9277, 35.8295

Square

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



22.6358, 15.9277, 1.8813



7.4858, 15.9277, 4.5731



9.5122, 15.9277, 61.2743



26.7682, 15.9277, 43.5034

Rectangle

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



22.6358, 15.9277, 1.8813



12.2541, 15.9277, 1.0205



9.5122, 15.9277, 61.2743



18.4441, 15.9277, 72.5156

Sweetspot

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



22.6361, 15.9286, 1.8816



63.3184, 62.1654, 45.6052



22.2793, 11.1952, 14.1547



13.1882, 12.7823, 8.7387



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



22.6361, 15.9286, 1.8816



40.8064, 28.4187, 3.3346



34.4687, 39.5936, 5.8257



9.3172, 9.6374, 9.4760



15.6685, 11.1134, 1.3193



0.6141, 0.5153, 0.0671

Inverse Universe

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



13.6015, 13.3603, 47.2088



24.4141, 23.7343, 85.4990



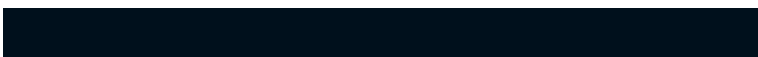
8.7864, 3.7302, 45.6038



8.9309, 9.5390, 11.4499



9.4454, 9.3505, 32.5601



0.3933, 0.4503, 1.1679

Previews

White Background



This preview shows how the XYZ color 22.6358, 15.9277, 1.8813 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 22.6358, 15.9277, 1.8813 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 22.6358, 15.9277, 1.8813

Background



This preview shows how black text looks on a background with the XYZ color 22.6358, 15.9277, 1.8813.



This preview shows how white text looks on a background with the XYZ color 22.6358, 15.9277,

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

22.6358, 15.9277, 1.8813

Protanopia

14.4995, 16.0644, 2.8669

Deuteranopia

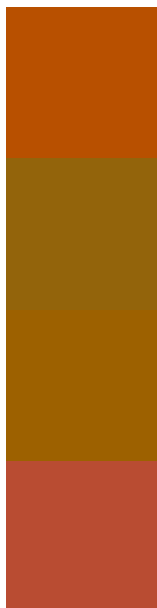
16.1385, 15.9708, 2.2321



Tritanopia

24.1098, 15.9012, 9.1956

Trichromacy



Original Color

22.6358, 15.9277, 1.8813

Protanomaly

16.6502, 15.3415, 2.4003

Deuteranomaly

18.1793, 15.7175, 2.0756

Tritanomaly

23.1677, 15.7135, 4.8295

Monochromacy



Original Color

22.6358, 15.9277, 1.8813

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.4726, 13.2926, 6.8040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6358, 15.9277, 1.8813 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(184, 80, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 80, 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(184, 80, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 80, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.6358, 15.9277, 1.8813 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(184, 80, 0) }
```


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

```
.border{ border-color:rgb(184, 80, 0) }
```

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

Here you see how a box with a 4 pixel rgb(184, 80, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 80, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 80, 0);  
box-shadow:4px 4px 4px 4px rgb(184, 80, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.6358, 15.9277, 1.8813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 80, 0) }
```

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

```
.background{ background-color: rgb(184, 80,  
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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