

Converting Colors

XYZ(22.6770, 18.7750, 2.4287)

Have a look what the booklet for
XYZ(22.6770, 18.7750, 2.4287)
contains.

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Color

**XYZ(22.6559, 18.7328,
2.4217)**

Conversions

Conversions Part 1

Format	Color
Hex	B06600
RGB	176, 102, 0
RGB Percent	69%, 40%, 0%
CMY	0.3098, 0.6000, 1.0000
CMYK	0.00, 0.42, 1.00, 0.31
HSL	35°, 100%, 35%
HSV	35°, 100%, 69%
XYZ	22.6559, 18.7328, 2.4217
YIQ	112.4980, 76.8460, -16.0340

Conversions

Conversions Part 2

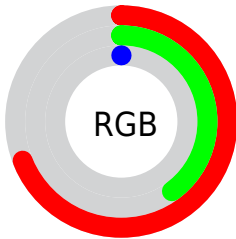
Format	Color
R_{YB}	128, 176, 0
Decimal	11560448
CIE _{Lab}	50.37, 23.93, 58.19
CIE _{LCh}	50, 62.918, 67.650
Yxy	18.7328, 0.5171, 0.4276
Android (android.graphics.Color)	4289750528 (0xFFB06600)
YUV	112.4980, -55.4615, 55.6913
Hunter-Lab	43.2814, 17.6944, 26.9796

Details

The XYZ color **22.6559, 18.7328, 2.4217** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.2853, 8.0323, 42.0824**, and the grayscale version is **15.6909, 16.5081, 17.9773**.

A 20% lighter version of the original color is **47.2135, 41.1459, 10.1562**, and **8.6553, 6.4202, 0.7830** is the 20% darker color. If you saturate the color by 10%, you get **22.6560, 18.7333, 2.4218**, and if you desaturate by 10%, it is **23.5223, 20.2963, 3.2333**.

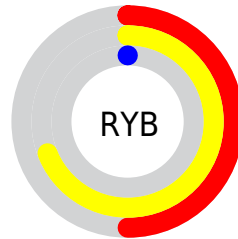
Distribution



Red (69%)

Green (40%)

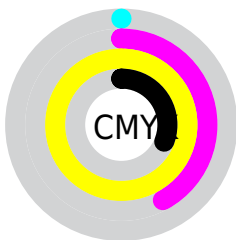
Blue (0%)



Red (50%)

Yellow (69%)

Blue (0%)

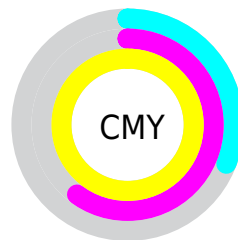


Cyan (0%)

Magenta (42%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (60%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.6559, 18.7328, 2.4217 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 22.6559, 18.7328, 2.4217 by changing the saturation by 10% instead.


 22.6559, 18.7328,
2.4217


 22.6559, 18.7328,
2.4217


258.5211,
244.9697, 128.6151


 14.4589, 11.4774,
0.7982


 47.2985, 41.2821,
10.1646


 8.5244, 6.3889,
0.0000


 64.4749, 57.3448,
17.1304

 4.4869, 3.0830,
0.0000

 85.3751, 77.1120,
26.7173

 1.9811, 1.1752,
0.0000

 110.3645,
100.9681, 39.3436


 0.6233, 0.0413,
0.0000


 139.8084,
129.2975, 55.4280


 0.0000, 0.0000,
0.0000


 174.0723,


162.4847, 75.3891


 213.5214,
200.9139, 99.6452


 22.6559, 18.7328,
2.4217


 22.6559, 18.7328,
2.4217


 22.6560, 18.7333,
2.4218

 23.5223, 20.2963,
3.2333

 24.5494, 22.0297,
4.5644

 25.7758, 23.9518,
6.6094

 27.2204, 26.0727,
9.4596

 28.8992, 28.4010,
13.1926

■ 30.8266, 30.9448,
17.8766

■ 33.0156, 33.7115,
23.5733

■ 35.4780, 36.7080,
30.3390

■ 38.2251, 39.9409,
38.2258

Harmonies

Analogous

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



28.8193, 18.7328, 5.9755



22.6559, 18.7328, 2.4217



16.2865, 18.7328, 1.9224

Triad

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



22.6559, 18.7328, 2.4217



8.5157, 18.7328, 25.2114



25.9877, 18.7328, 60.3117

Complementary

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



22.6559, 18.7328, 2.4217



10.2853, 8.0323, 42.0824

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.



19.4150, 18.7328, 75.2098



22.6559, 18.7328, 2.4217



10.0296, 18.7328, 48.6216

Square

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



22.6559, 18.7328, 2.4217



9.0003, 18.7328, 10.0920



13.7012, 18.7328, 70.0169



31.0294, 18.7328, 36.0509

Rectangle

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



22.6559, 18.7328, 2.4217



12.8909, 18.7328, 2.7534



13.7012, 18.7328, 70.0169



23.8318, 18.7328, 67.0672

Sweetspot

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



22.6563, 18.7338, 2.4220



59.6576, 60.8663, 42.1607



19.2184, 9.7558, 7.7569



12.5647, 12.7349, 8.1759



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



22.6563, 18.7338, 2.4220



40.8617, 33.5179, 4.3160



30.8903, 38.9715, 5.8943



8.8917, 9.2959, 8.9782



16.6821, 13.8627, 1.7965



0.5811, 0.5485, 0.0752

Inverse Universe

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



10.2853, 8.0323, 42.0824



18.4406, 14.1407, 76.2528



7.9845, 3.2110, 41.2731



8.3258, 8.7978, 10.7657



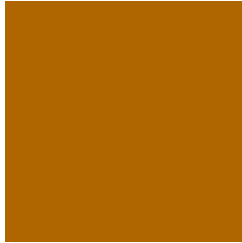
7.6017, 6.0037, 30.8952



0.2974, 0.3054, 0.9915

Previews

White Background



This preview shows how the XYZ color 22.6559, 18.7328, 2.4217 looks on a white 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

Black Background



This preview shows how the XYZ color 22.6559, 18.7328, 2.4217 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 22.6559, 18.7328, 2.4217

Background



This preview shows how black text looks on a background with the XYZ color 22.6559, 18.7328, 2.4217.



This preview shows how white text looks on a background with the XYZ color 22.6559, 18.7328,

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

22.6559, 18.7328, 2.4217

Protanopia

17.0700, 18.9407, 3.1717

Deuteranopia

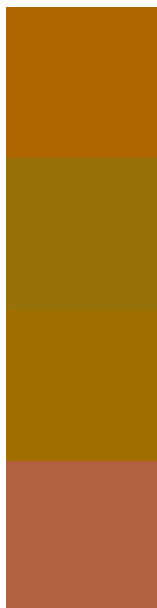
18.9662, 18.7100, 2.6118



Tritanopia

25.3129, 18.8470, 14.8741

Trichromacy



Original Color

22.6559, 18.7328, 2.4217

Protanomaly

18.8291, 18.6337, 2.8627

Deuteranomaly

20.2739, 18.7289, 2.5465

Tritanomaly

23.9122, 18.7007, 7.3503

Monochromacy



Original Color

22.6559, 18.7328, 2.4217

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.7917, 16.6394, 8.4576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6559, 18.7328, 2.4217 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(176, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 102, 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(176, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 102, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.6559, 18.7328, 2.4217 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(176, 102, 0) }
```


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

```
.border{ border-color:rgb(176, 102, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 102, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 102,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6559, 18.7328, 2.4217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 102, 0) }
```

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

```
.background{ background-color: rgb(176,  
102, 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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