

Converting Colors

XYZ(23.7171, 18.7988, 2.3785)

Have a look what the booklet for
XYZ(23.7171, 18.7988, 2.3785)
contains.

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Color

**XYZ(23.7532, 18.8688,
2.3901)**

Conversions

Conversions Part 1

Format	Color
Hex	B66300
RGB	182, 99, 0
RGB Percent	71%, 39%, 0%
CMY	0.2863, 0.6117, 1.0000
CMYK	0.00, 0.46, 1.00, 0.29
HSL	33°, 100%, 36%
HSV	33°, 100%, 71%
XYZ	23.7532, 18.8688, 2.3901
YIQ	112.5310, 81.2470, -13.1930

Conversions

Conversions Part 2

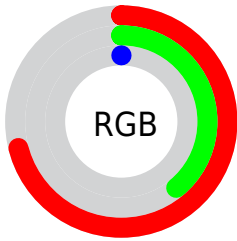
Format	Color
RYB	153, 182, 0
Decimal	11952896
CIELab	50.53, 28.16, 58.71
CIElCh	51, 65.118, 64.376
Yxy	18.8688, 0.5277, 0.4192
Android (android.graphics.Color)	4290142976 (0xFFB66300)
YUV	112.5310, -55.4778, 60.9243
Hunter-Lab	43.4382, 21.5917, 27.1445

Details

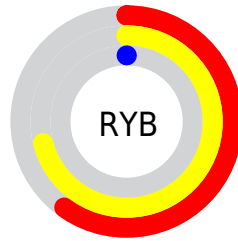
The XYZ color **23.7532, 18.8688, 2.3901** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **11.5366, 9.5636, 45.4933**, and the grayscale version is **15.6999, 16.5175, 17.9876**.

A 20% lighter version of the original color is **49.2720, 41.7252, 10.1595**, and **9.2099, 6.5052, 0.7702** is the 20% darker color. If you saturate the color by 10%, you get **23.7534, 18.8694, 2.3902**, and if you desaturate by 10%, it is **24.6916, 20.5685, 3.2498**.

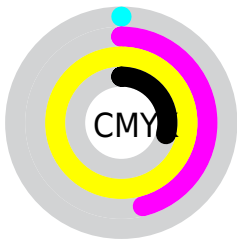
Distribution



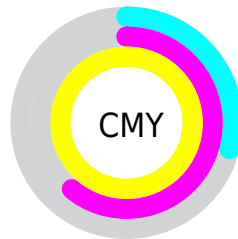
- Red (71%)
- Green (39%)
- Blue (0%)



- Red (60%)
- Yellow (71%)
- Blue (0%)



- Cyan (0%)
- Magenta (46%)
- Yellow (100%)
- Black (29%)





- Cyan (29%)
- Magenta (61%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7532, 18.8688, 2.3901 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 23.7532, 18.8688, 2.3901 by changing the saturation by 10% instead.


 23.7532, 18.8688,
2.3901


 23.7532, 18.8688,
2.3901


264.0340,
245.7235, 128.1672


 15.2744, 11.5755,
0.7810


 49.0848, 41.5123,
10.0822


 9.0998, 6.4553,
0.0000


 66.6682, 57.6313,
17.0137

 4.8639, 3.1239,
0.0000

 88.0173, 77.4610,
26.5603

 2.2016, 1.1967,
0.0000

 113.4973,
101.3857, 39.1404

 0.7436, 0.0590,
0.0000


 143.4737,
129.7900, 55.1726


 0.0000, 0.0000,
0.0000


 178.3116,


163.0581, 75.0754


 218.3767,
201.5745, 99.2674


 23.7532, 18.8688,
2.3901


 23.7532, 18.8688,
2.3901


 23.7534, 18.8694,
2.3902

 24.6916, 20.5685,
3.2498

 25.8158, 22.4748,
4.6791

 27.1670, 24.6084,
6.8830

 28.7663, 26.9814,
9.9612

 30.6315, 29.6041,
13.9983

■ 32.7788, 32.4862,
19.0686

■ 35.2227, 35.6366,
25.2392

■ 37.9765, 39.0636,
32.5715

■ 41.0528, 42.7752,
41.1220

Harmonies

Analogous

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



30.0248, 18.8688, 6.4454



23.7532, 18.8688, 2.3901



17.0181, 18.8688, 1.6794

Triad

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



23.7532, 18.8688, 2.3901



8.3029, 18.8688, 23.3319



25.7541, 18.8688, 65.0639

Complementary

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



23.7532, 18.8688, 2.3901



11.5366, 9.5636, 45.4933

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.



18.8827, 18.8688, 78.9010



23.7532, 18.8688, 2.3901



9.6228, 18.8688, 47.3078

Square

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



23.7532, 18.8688, 2.3901



9.0203, 18.8688, 8.8247



13.1528, 18.8688, 70.9927



31.3584, 18.8688, 39.6940

Rectangle

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



23.7532, 18.8688, 2.3901



13.3499, 18.8688, 2.3142



13.1528, 18.8688, 70.9927



23.4636, 18.8688, 71.7312

Sweetspot

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



23.7536, 18.8698, 2.3904



63.6197, 64.3061, 45.1380



20.9284, 10.5999, 9.5239



13.6280, 13.6619, 8.8852



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.



23.7536, 18.8698, 2.3904



42.8261, 33.7322, 4.2538



34.6170, 42.6777, 6.4133



9.3985, 9.7999, 9.5031



16.8417, 13.4598, 1.7103



0.6548, 0.5966, 0.0806

Inverse Universe

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



11.5366, 9.5636, 45.4933



20.6859, 16.8790, 82.4034



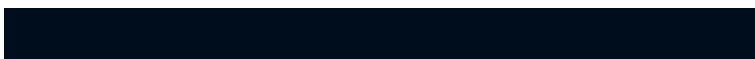
8.5194, 3.4166, 44.4659



8.8494, 9.3760, 11.4228



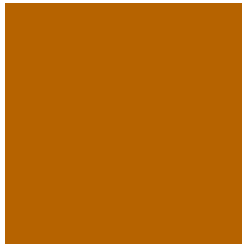
8.2117, 6.8832, 32.1488



0.3515, 0.3666, 1.1540

Previews

White Background



This preview shows how the XYZ color 23.7532, 18.8688, 2.3901 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 23.7532, 18.8688, 2.3901 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 23.7532, 18.8688, 2.3901

Background



This preview shows how black text looks on a background with the XYZ color 23.7532, 18.8688, 2.3901.



This preview shows how white text looks on a background with the XYZ color 23.7532, 18.8688,

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

23.7532, 18.8688, 2.3901

Protanopia

17.0769, 18.9435, 3.2083

Deuteranopia

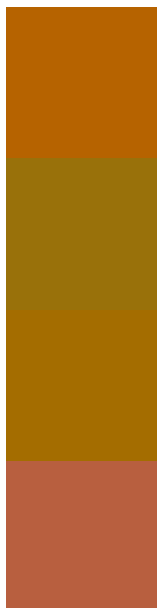
19.2676, 19.0338, 2.6584



Tritanopia

26.0869, 18.8694, 14.0716

Trichromacy



Original Color

23.7532, 18.8688, 2.3901

Protanomaly

19.0968, 18.6045, 2.8717

Deuteranomaly

20.7785, 18.8298, 2.5394

Tritanomaly

24.7566, 18.7336, 7.0138

Monochromacy



Original Color

23.7532, 18.8688, 2.3901

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.0135, 16.5963, 8.4376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7532, 18.8688, 2.3901 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(182, 99, 0)` looks like.

```
.text, #text, p{  
  color:rgb(182, 99, 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(182, 99, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 99, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.7532, 18.8688, 2.3901 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(182, 99, 0) }
```


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

```
.border{ border-color:rgb(182, 99, 0) }
```

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

Here you see how a box with a 4 pixel rgb(182, 99, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 99, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 99, 0);  
box-shadow:4px 4px 4px 4px rgb(182, 99, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.7532, 18.8688, 2.3901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 99, 0) }
```

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

```
.background{ background-color: rgb(182, 99,  
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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