

Converting Colors

XYZ(24.0559, 19.9438, 0.4151)

Have a look what the booklet for
XYZ(24.0559, 19.9438, 0.4151)
contains.

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Color

**XYZ(24.5800, 20.1704,
2.5978)**

Conversions

Conversions Part 1

Format	Color
Hex	B76900
RGB	183, 105, 0
RGB Percent	72%, 41%, 0%
CMY	0.2824, 0.5882, 1.0000
CMYK	0.00, 0.43, 1.00, 0.28
HSL	34°, 100%, 36%
HSV	34°, 100%, 72%
XYZ	24.5800, 20.1704, 2.5978
YIQ	116.3520, 80.1930, -16.1190

Conversions

Conversions Part 2

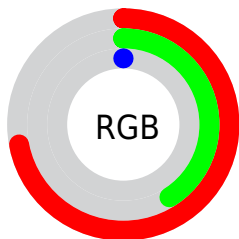
Format	Color
R_{YB}	136, 183, 0
Decimal	12019968
CIE Lab	52.03, 25.33, 59.72
CIE LCh	52, 64.864, 67.018
Yxy	20.1704, 0.5191, 0.4260
Android (android.graphics.Color)	4290210048 (0xFFB76900)
YUV	116.3520, -57.3615, 58.4503
Hunter-Lab	44.9115, 19.0978, 28.0085

Details

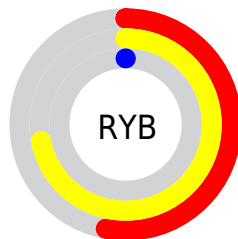
The XYZ color **24.5800, 20.1704, 2.5978** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **11.2717, 8.8678, 45.9169**, and the grayscale version is **16.8631, 17.7412, 19.3202**.

A 20% lighter version of the original color is **50.6386, 43.8966, 10.6544**, and **9.7753, 7.2113, 0.8767** is the 20% darker color. If you saturate the color by 10%, you get **24.5801, 20.1708, 2.5978**, and if you desaturate by 10%, it is **25.5234, 21.8787, 3.4633**.

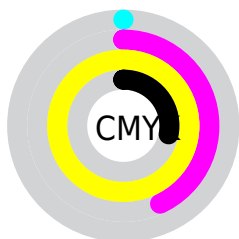
Distribution



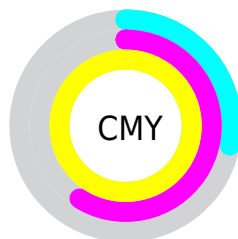
- Red (72%)
- Green (41%)
- Blue (0%)



- Red (53%)
- Yellow (72%)
- Blue (0%)



- Cyan (0%)
- Magenta (43%)
- Yellow (100%)
- Black (28%)





- Cyan (28%)
- Magenta (59%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.5800, 20.1704, 2.5978 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 24.5800, 20.1704, 2.5978 by changing the saturation by 10% instead.


 24.5800, 20.1704,
2.5978


 24.5800, 20.1704,
2.5978


268.1262,
252.8361, 131.0606


 15.8915, 12.5190,
0.8913


 50.4229, 43.7027,
10.6187

 9.5378, 7.0982,
0.0000


 68.3079, 60.3523,
17.7721


 5.1535, 3.5236,
0.0000

 89.9892, 80.7702,
27.5787

 2.3733, 1.4108,
0.0000

 115.8320,
105.3406, 40.4572

 0.8318, 0.2247,
0.0000

 146.2018,
134.4480, 56.8261

 0.0000, 0.0000,
0.0000

 181.4638,

168.4768, 77.1040

■ 221.9835,
207.8114, 101.7093

■ 24.5800, 20.1704,
2.5978

■ 24.5800, 20.1704,
2.5978

■ 24.5801, 20.1708,
2.5978

■ 25.5234, 21.8787,
3.4633

■ 26.6455, 23.7772,
4.9032

■ 27.9877, 25.8862,
7.1242

■ 29.5707, 28.2169,
10.2272

■ 31.4124, 30.7790,
14.2979

■ 33.5286, 33.5816,
19.4115

■ 35.9337, 36.6328,
25.6359

■ 38.6409, 39.9405,
33.0330

■ 41.6626, 43.5120,
41.6603

Harmonies

Analogous

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



31.2292, 20.1704, 6.5185



24.5800, 20.1704, 2.5978



17.6585, 20.1704, 2.0165

Triad

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



24.5800, 20.1704, 2.5978



9.1137, 20.1704, 26.7217



27.8965, 20.1704, 65.7903

Complementary

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



24.5800, 20.1704, 2.5978



11.2717, 8.8678, 45.9169

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.



20.7683, 20.1704, 81.6051



24.5800, 20.1704, 2.5978



10.7018, 20.1704, 52.0137

Square

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



24.5800, 20.1704, 2.5978



9.6821, 20.1704, 10.5867



14.6207, 20.1704, 75.4821



33.4311, 20.1704, 39.4807

Rectangle

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



24.5800, 20.1704, 2.5978



13.9532, 20.1704, 2.8680



14.6207, 20.1704, 75.4821



25.5510, 20.1704, 73.0388

Sweetspot

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



24.5804, 20.1715, 2.5982



64.1295, 65.3256, 45.3079



20.9507, 10.6363, 8.4040



13.7526, 13.9111, 8.9268



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.



24.5804, 20.1715, 2.5982



43.7896, 35.6593, 4.5750



33.6844, 42.5022, 6.4286



9.4209, 9.8447, 9.5106



17.2168, 14.2099, 1.8354



0.6670, 0.6210, 0.0847

Inverse Universe

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



11.2717, 8.8678, 45.9169



19.9691, 15.4455, 82.1645



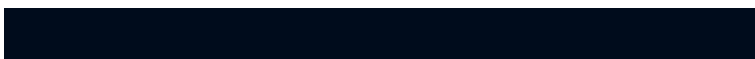
8.7018, 3.4987, 45.0160



8.8274, 9.3319, 11.4154



7.9284, 6.3164, 32.0544



0.3411, 0.3459, 1.1505

Previews

White Background



This preview shows how the XYZ color 24.5800, 20.1704, 2.5978 looks on a white background.

Color Contrast Check

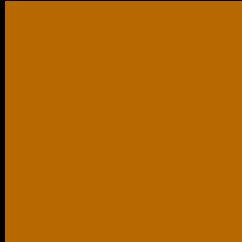
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5800, 20.1704, 2.5978 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 24.5800, 20.1704, 2.5978

Background



This preview shows how black text looks on a background with the XYZ color 24.5800, 20.1704, 2.5978.



This preview shows how white text looks on a background with the XYZ color 24.5800, 20.1704,

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

24.5800, 20.1704, 2.5978

Protanopia

18.3974, 20.3617, 3.3760

Deuteranopia

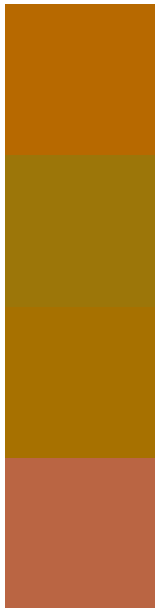
20.5790, 20.2260, 2.8194



Tritanopia

27.4110, 20.3201, 15.8421

Trichromacy



Original Color

24.5800, 20.1704, 2.5978

Protanomaly

20.2380, 20.0445, 3.0608

Deuteranomaly

21.8415, 20.0257, 2.7142

Tritanomaly

25.9165, 20.1517, 7.8339

Monochromacy



Original Color

24.5800, 20.1704, 2.5978

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.8454, 17.6582, 8.9464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5800, 20.1704, 2.5978 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(183, 105, 0)` looks like.

```
.text, #text, p{  
    color:rgb(183, 105, 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(183, 105, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 105, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.5800, 20.1704, 2.5978 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(183, 105, 0) }
```


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

```
.border{ border-color:rgb(183, 105, 0) }
```

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

Here you see how a box with a 4 pixel rgb(183, 105, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 105, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 105, 0);  
box-shadow:4px 4px 4px 4px rgb(183, 105,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5800, 20.1704, 2.5978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 105, 0) }
```

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

```
.background{ background-color: rgb(183,  
105, 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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