

Converting Colors

XYZ(24.9976, 19.8808, 2.5199)

Have a look what the booklet for
XYZ(24.9976, 19.8808, 2.5199)
contains.

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Color

**XYZ(25.0011, 19.9418,
2.5315)**

Conversions

Conversions Part 1

Format	Color
Hex	BA6600
RGB	186, 102, 0
RGB Percent	73%, 40%, 0%
CMY	0.2706, 0.6000, 1.0000
CMYK	0.00, 0.45, 1.00, 0.27
HSL	33°, 100%, 36%
HSV	33°, 100%, 73%
XYZ	25.0011, 19.9418, 2.5315
YIQ	115.4880, 82.8060, -13.9140

Conversions

Conversions Part 2

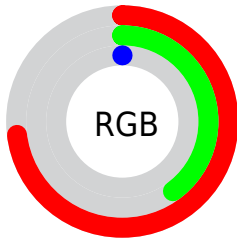
Format	Color
R_{YB}	153, 186, 0
Decimal	12215808
CIE Lab	51.77, 28.25, 59.76
CIE LCh	52, 66.103, 64.704
Yxy	19.9418, 0.5266, 0.4201
Android (android.graphics.Color)	4290405888 (0xFFBA6600)
YUV	115.4880, -56.9356, 61.8390
Hunter-Lab	44.6562, 21.7860, 27.8983

Details

The XYZ color **25.0011, 19.9418, 2.5315** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **12.0334, 9.8861, 47.7281**, and the grayscale version is **16.5953, 17.4595, 19.0134**.

A 20% lighter version of the original color is **51.1924, 43.4378, 10.5367**, and **9.9234, 7.0740, 0.8424** is the 20% darker color. If you saturate the color by 10%, you get **25.0012, 19.9422, 2.5315**, and if you desaturate by 10%, it is **25.9836, 21.7242, 3.4224**.

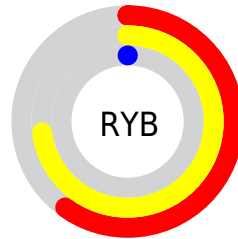
Distribution



Red (73%)

Green (40%)

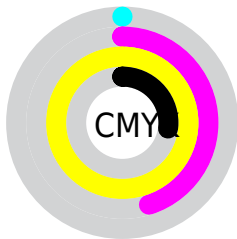
Blue (0%)



Red (60%)

Yellow (73%)

Blue (0%)

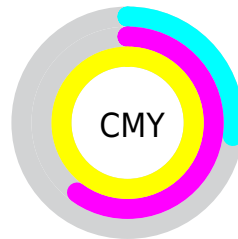


Cyan (0%)

Magenta (45%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (60%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.0011, 19.9418, 2.5315 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 25.0011, 19.9418, 2.5315 by changing the saturation by 10% instead.


 25.0011, 19.9418,
2.5315


 25.0011, 19.9418,
2.5315


270.1910,
251.5999, 130.1497


 16.2066, 12.3527,
0.8568


 51.1019, 43.3196,
10.4487


 9.7622, 6.9844,
0.0000


 69.1389, 59.8771,
17.5322

 5.3027, 3.4523,
0.0000


 90.9875, 80.1929,
27.2570

 2.4625, 1.3722,
0.0000

 117.0129,
104.6514, 40.0416

 0.8764, 0.1961,
0.0000


 147.5806,
133.6369, 56.3047


 0.0000, 0.0000,
0.0000

 183.0560,


167.5339, 76.4647


 223.8043,
206.7268, 100.9402

 25.0011, 19.9418,
2.5315


 25.0011, 19.9418,
2.5315


 25.0012, 19.9422,
2.5315

 25.9836, 21.7242,
3.4224

 27.1604, 23.7212,
4.9145

 28.5745, 25.9544,
7.2204

 30.2479, 28.4361,
10.4452

 32.1996, 31.1773,
14.6783

■ 34.4463, 34.1880,
19.9983

■ 37.0034, 37.4775,
26.4757

■ 39.8849, 41.0545,
34.1753

■ 43.1039, 44.9273,
43.1569

Harmonies

Analogous

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



31.6224, 19.9418, 6.7647



25.0011, 19.9418, 2.5315



17.9184, 19.9418, 1.8019

Triad

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



25.0011, 19.9418, 2.5315



8.8048, 19.9418, 24.8774



27.2642, 19.9418, 68.2834

Complementary

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



25.0011, 19.9418, 2.5315



12.0334, 9.8861, 47.7281

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.



20.0289, 19.9418, 83.0395



25.0011, 19.9418, 2.5315



10.2216, 19.9418, 50.1768

Square

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



25.0011, 19.9418, 2.5315



9.5384, 19.9418, 9.4665



13.9704, 19.9418, 74.9773



33.1300, 19.9418, 41.5730

Rectangle

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



25.0011, 19.9418, 2.5315



14.0690, 19.9418, 2.4932



13.9704, 19.9418, 74.9773



24.8563, 19.9418, 75.3460

Sweetspot

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



25.0015, 19.9429, 2.5319



66.8255, 67.6199, 47.3496



21.9620, 11.1241, 9.9645



14.2708, 14.3232, 9.2835



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



25.0015, 19.9429, 2.5319



45.0708, 35.6554, 4.5067



36.3347, 44.7969, 6.7318



9.4018, 9.8065, 9.5042



16.8958, 13.5680, 1.7284



0.6565, 0.6001, 0.0812

Inverse Universe

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



12.0334, 9.8861, 47.7281



21.5760, 17.4487, 86.4322



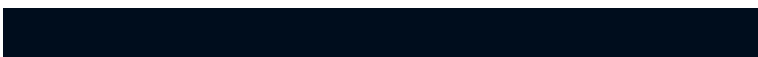
8.9407, 3.5854, 46.6749



8.8461, 9.3695, 11.4217



8.1683, 6.7963, 32.1344



0.3499, 0.3635, 1.1535

Previews

White Background



This preview shows how the XYZ color 25.0011, 19.9418, 2.5315 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 25.0011, 19.9418, 2.5315 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 25.0011, 19.9418, 2.5315

Background



This preview shows how black text looks on a background with the XYZ color 25.0011, 19.9418, 2.5315.



This preview shows how white text looks on a background with the XYZ color 25.0011, 19.9418,

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

25.0011, 19.9418, 2.5315

Protanopia

18.1091, 20.0252, 3.3627

Deuteranopia

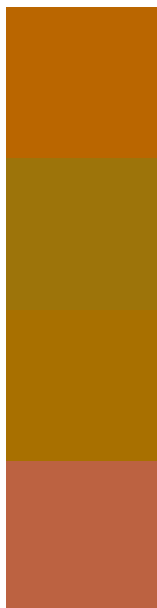
20.3831, 20.1250, 2.8102



Tritanopia

27.4767, 19.9625, 14.9753

Trichromacy



Original Color

25.0011, 19.9418, 2.5315

Protanomaly

20.2048, 19.6808, 3.0210

Deuteranomaly

21.9426, 19.9132, 2.6871

Tritanomaly

26.0609, 19.8084, 7.4509

Monochromacy



Original Color

25.0011, 19.9418, 2.5315

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.7630, 17.2956, 8.7055

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0011, 19.9418, 2.5315 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(186, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(186, 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(186, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 102, 0) }
```

Border

The CSS property to change the border of an element to XYZ 25.0011, 19.9418, 2.5315 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(186, 102, 0) }
```


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

```
.border{ border-color:rgb(186, 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(186, 102, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(186, 102,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0011, 19.9418, 2.5315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 102, 0) }
```

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

```
.background{ background-color: rgb(186,  
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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