

# Converting Colors

XYZ(24.7564, 20.0654, 0.9257)

Have a look what the booklet for  
XYZ(24.7564, 20.0654, 0.9257)  
contains.

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# Color

**XYZ(25.0999, 20.1396,  
2.5644)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BA6700
RGB	186, 103, 0
RGB Percent	73%, 40%, 0%
CMY	0.2706, 0.5961, 1.0000
CMYK	0.00, 0.45, 1.00, 0.27
HSL	33°, 100%, 36%
HSV	33°, 100%, 73%
XYZ	25.0999, 20.1396, 2.5644
YIQ	116.0750, 82.5310, -14.4370

# Conversions

## Conversions Part 2

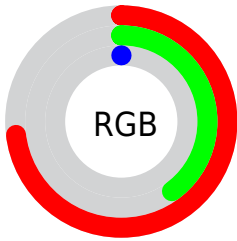
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	150, 186, 0
Decimal	12216064
CIE <sub>Lab</sub>	51.99, 27.70, 59.90
CIE <sub>LCh</sub>	52, 66.000, 65.180
Yxy	20.1396, 0.5251, 0.4213
Android (android.graphics.Color)	4290406144 (0xFFBA6700)
YUV	116.0750, -57.2250, 61.3242
Hunter-Lab	44.8772, 21.3004, 28.0260

# Details

The XYZ color **25.0999, 20.1396, 2.5644** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **11.9560, 9.7314, 47.7021**, and the grayscale version is **16.7766, 17.6503, 19.2212**.

A 20% lighter version of the original color is **51.3582, 43.7693, 10.5919**, and **9.9704, 7.1680, 0.8581** is the 20% darker color. If you saturate the color by 10%, you get **25.1001, 20.1402, 2.5645**, and if you desaturate by 10%, it is **26.0815, 21.9203, 3.4550**.

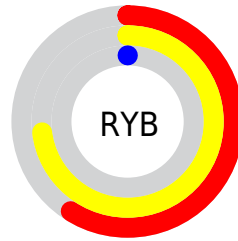
# Distribution



Red (73%)

Green (40%)

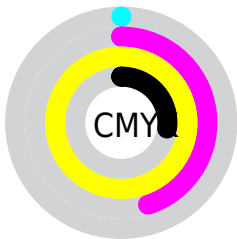
Blue (0%)



Red (59%)

Yellow (73%)

Blue (0%)

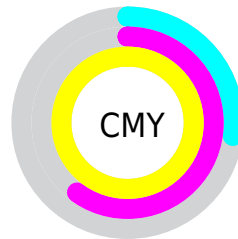


Cyan (0%)

Magenta (45%)

Yellow (100%)

Black (27%)



Cyan (27%)

Magenta (60%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0999, 20.1396, 2.5644 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 25.0999, 20.1396, 2.5644 by changing the saturation by 10% instead.





 25.0999, 20.1396,  
2.5644


 25.0999, 20.1396,  
2.5644


270.6736,  
252.6699, 130.6031


 16.2806, 12.4966,  
0.8740


 51.2610, 43.6511,  
10.5332

 9.8151, 7.0828,  
0.0000


 69.3335, 60.2884,  
17.6515

 5.3378, 3.5139,  
0.0000

 91.2211, 80.6925,  
27.4170

 2.4836, 1.4056,  
0.0000

 117.2892,  
105.2479, 40.2484


 0.8870, 0.2208,  
0.0000


 147.9032,  
134.3389, 56.5642


 0.0000, 0.0000,  
0.0000


 183.4283,


168.3500, 76.7829


 224.2300,  
207.6655, 101.3230


 25.0999, 20.1396,  
2.5644


 25.0999, 20.1396,  
2.5644


 25.1001, 20.1402,  
2.5645

 26.0815, 21.9203,  
3.4550

 27.2557, 23.9120,  
4.9461

 28.6652, 26.1361,  
7.2504

 30.3321, 28.6047,  
10.4729

 32.2752, 31.3288,  
14.7030

■ 34.5112, 34.3181,  
20.0192

■ 37.0553, 37.5819,  
26.4921

■ 39.9216, 41.1285,  
34.1865

■ 43.1231, 44.9662,  
43.1620

# Harmonies

## Analogous

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



31.7769, 20.1396, 6.7632



25.0999, 20.1396, 2.5644



17.9981, 20.1396, 1.8592

# Triad

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



25.0999, 20.1396, 2.5644



8.9354, 20.1396, 25.4452



27.6013, 20.1396, 68.2664

# Complementary

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



25.0999, 20.1396, 2.5644



11.9560, 9.7314, 47.7021

# 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.



20.3335, 20.1396, 83.3599



25.0999, 20.1396, 2.5644



10.3983, 20.1396, 50.9366

# Square

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



25.0999, 20.1396, 2.5644



9.6402, 20.1396, 9.7665



14.2106, 20.1396, 75.6465



33.4421, 20.1396, 41.4389



# Rectangle

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



25.0999, 20.1396, 2.5644



14.1503, 20.1396, 2.5880



14.2106, 20.1396, 75.6465



25.1882, 20.1396, 75.4223

# Sweetspot

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



25.1003, 20.1407, 2.5648



66.9219, 67.8128, 47.3818



21.8381, 11.0745, 9.3131



14.2943, 14.3702, 9.2914



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.



25.1003, 20.1407, 2.5648



45.2503, 36.0145, 4.5665



35.6218, 44.4293, 6.6984



9.4058, 9.8146, 9.5056



16.9625, 13.7013, 1.7506



0.6587, 0.6045, 0.0820



# Inverse Universe

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



11.9560, 9.7314, 47.7021



21.4372, 17.1711, 86.3859



8.9794, 3.6053, 46.6765



8.8421, 9.3615, 11.4204



8.1160, 6.6918, 32.1170

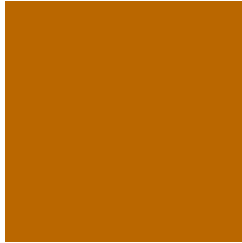


0.3480, 0.3597, 1.1528



# Previews

## White Background



This preview shows how the XYZ color 25.0999, 20.1396, 2.5644 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 25.0999, 20.1396, 2.5644 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 25.0999, 20.1396, 2.5644**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.0999, 20.1396, 2.5644.



This preview shows how white text looks on a background with the XYZ color 25.0999, 20.1396,

2.5644.

# 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

25.0999, 20.1396, 2.5644

### Protanopia

18.4043, 20.3644, 3.4127

### Deuteranopia

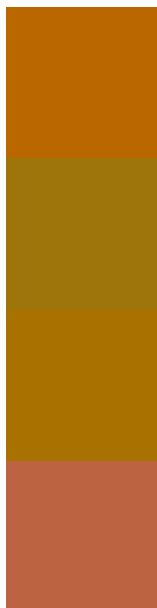
20.3831, 20.1250, 2.8102



## Tritanopia

27.6173, 20.1638, 15.2684

# Trichromacy



## Original Color

25.0999, 20.1396, 2.5644

## Protanomaly

20.3207, 19.9126, 3.0597

## Deuteranomaly

22.0536, 20.1351, 2.7241

## Tritanomaly

26.1842, 20.0084, 7.6362

# Monochromacy



## Original Color

25.0999, 20.1396, 2.5644

## Achromatopsia

16.6002, 17.4647, 19.0191

## Achromatomaly

17.9050, 17.5260, 8.9177

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.0999, 20.1396, 2.5644 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, 103, 0)` looks like.

```
.text, #text, p{  
    color:rgb(186, 103, 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, 103, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 103, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 25.0999, 20.1396, 2.5644 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, 103, 0) }
```



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

```
.border{ border-color:rgb(186, 103, 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, 103, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 103, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 103, 0);  
box-shadow:4px 4px 4px 4px rgb(186, 103,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.0999, 20.1396, 2.5644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 103, 0) }
```

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

```
.background{ background-color: rgb(186,  
103, 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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