

Converting Colors

XYZ(25.7013, 19.4135, 2.3937)

Have a look what the booklet for
XYZ(25.7013, 19.4135, 2.3937)
contains.

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Color

**XYZ(25.6687, 19.4421,
2.3998)**

Conversions

Conversions Part 1

Format	Color
Hex	BF6000
RGB	191, 96, 0
RGB Percent	75%, 38%, 0%
CMY	0.2510, 0.6235, 1.0000
CMYK	0.00, 0.50, 1.00, 0.25
HSL	30°, 100%, 37%
HSV	30°, 100%, 75%
XYZ	25.6687, 19.4421, 2.3998
YIQ	113.4610, 87.4360, -9.7160

Conversions

Conversions Part 2

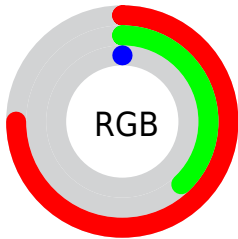
Format	Color
R_{YB}	189, 191, 0
Decimal	12541952
CIE _{Lab}	51.20, 33.53, 59.79
CIE _{LCh}	51, 68.550, 60.713
Yxy	19.4421, 0.5403, 0.4092
Android (android.graphics.Color)	4290732032 (0xFFBF6000)
YUV	113.4610, -55.9363, 68.0017
Hunter-Lab	44.0932, 26.7501, 27.6383

Details

The XYZ color **25.6687, 19.4421, 2.3998** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **13.4959, 11.9456, 50.8842**, and the grayscale version is **15.9772, 16.8093, 18.3053**.

A 20% lighter version of the original color is **52.3602, 42.6095, 10.1674**, and **10.2224, 6.7789, 0.7697** is the 20% darker color. If you saturate the color by 10%, you get **25.6689, 19.4427, 2.3999**, and if you desaturate by 10%, it is **26.7073, 21.3301, 3.3303**.

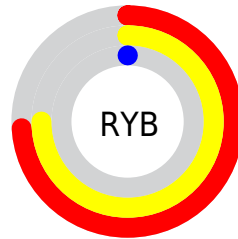
Distribution



Red (75%)

Green (38%)

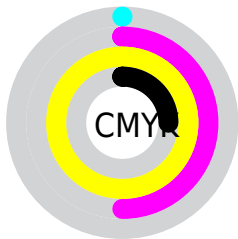
Blue (0%)



Red (74%)

Yellow (75%)

Blue (0%)

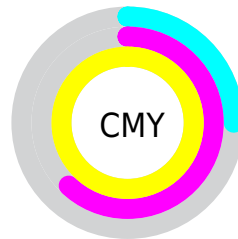


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (62%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.6687, 19.4421, 2.3998 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 25.6687, 19.4421, 2.3998 by changing the saturation by 10% instead.


 25.6687, 19.4421,
2.3998


 25.6687, 19.4421,
2.3998


273.4386,
248.8786, 128.3050

 16.7073, 11.9902,
0.7863


 52.1751, 42.4798,
10.1075

 10.1201, 6.7370,
0.0000


 70.4509, 58.8344,
17.0496

 5.5415, 3.2982,
0.0000

 92.5621, 78.9253,
26.6085

 2.6063, 1.2893,
0.0000

 118.8743,
103.1369, 39.2029


 0.9492, 0.1329,
0.0000


 149.7526,
131.8537, 55.2511


 0.0000, 0.0000,
0.0000


 185.5626,


165.4600, 75.1719


 226.6694,
204.3402, 99.3837


 25.6687, 19.4421,
2.3998


 25.6687, 19.4421,
2.3998


 25.6689, 19.4427,
2.3999

 26.7073, 21.3301,
3.3303

 27.9702, 23.4802,
4.9090

 29.5029, 25.9169,
7.3583

 31.3300, 28.6551,
10.7912

 33.4725, 31.7083,
15.3032

■ 35.9492, 35.0886,
20.9786

■ 38.7772, 38.8075,
27.8931

■ 41.9723, 42.8757,
36.1159

■ 45.5490, 47.3034,
45.7112

Harmonies

Analogous

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



32.2092, 19.4421, 7.1934



25.6687, 19.4421, 2.3998



18.3163, 19.4421, 1.4420

Triad

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



25.6687, 19.4421, 2.3998



8.2200, 19.4421, 21.6404



26.0225, 19.4421, 72.6902

Complementary

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



25.6687, 19.4421, 2.3998



13.4959, 11.9456, 50.8842

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.



18.6430, 19.4421, 85.3504



25.6687, 19.4421, 2.3998



9.3390, 19.4421, 46.7429

Square

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



25.6687, 19.4421, 2.3998



9.2357, 19.4421, 7.5952



12.7755, 19.4421, 73.7601



32.4464, 19.4421, 45.3824

Rectangle

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



25.6687, 19.4421, 2.3998



14.2164, 19.4421, 1.8856



12.7755, 19.4421, 73.7601



23.5187, 19.4421, 79.3516

Sweetspot

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



25.6691, 19.4432, 2.4001



69.1944, 69.1731, 49.3136



23.5742, 11.9117, 12.0032



14.7053, 14.5516, 9.6169



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



25.6691, 19.4432, 2.4001



45.7302, 34.3355, 4.2172



40.1163, 48.3375, 7.2159



9.9157, 10.3074, 10.0436



16.9501, 12.9389, 1.6041



0.7294, 0.6376, 0.0846

Inverse Universe

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



13.4959, 11.9456, 50.8842



23.9283, 20.9084, 91.0537



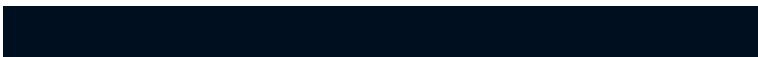
9.4040, 3.7617, 49.5202



9.3979, 9.9881, 12.1048



8.9497, 8.0112, 33.4675



0.4160, 0.4447, 1.3328

Previews

White Background



This preview shows how the XYZ color 25.6687, 19.4421, 2.3998 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 25.6687, 19.4421, 2.3998 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 25.6687, 19.4421, 2.3998

Background



This preview shows how black text looks on a background with the XYZ color 25.6687, 19.4421, 2.3998.



This preview shows how white text looks on a background with the XYZ color 25.6687, 19.4421,

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

25.6687, 19.4421, 2.3998

Protanopia

17.6654, 19.6097, 3.3843

Deuteranopia

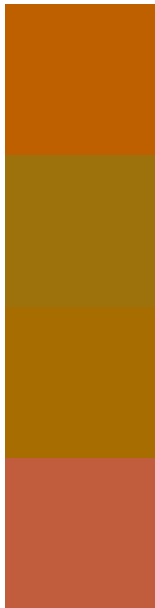
19.7630, 19.4593, 2.7144



Tritanopia

27.8861, 19.4403, 13.1091

Trichromacy



Original Color

25.6687, 19.4421, 2.3998

Protanomaly

19.8702, 19.0025, 2.9372

Deuteranomaly

21.6171, 19.2621, 2.5786

Tritanomaly

26.6351, 19.3180, 6.5999

Monochromacy



Original Color

25.6687, 19.4421, 2.3998

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.4119, 16.6460, 8.4262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.6687, 19.4421, 2.3998 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(191, 96, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 96, 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(191, 96, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 96, 0) }
```

Border

The CSS property to change the border of an element to XYZ 25.6687, 19.4421, 2.3998 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(191, 96, 0) }
```


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

```
.border{ border-color:rgb(191, 96, 0) }
```

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

Here you see how a box with a 4 pixel rgb(191, 96, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 96, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 96, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 96, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.6687, 19.4421, 2.3998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 96, 0) }
```

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

```
.background{ background-color: rgb(191, 96,  
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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