

Converting Colors

XYZ(25.2307, 18.4726, 2.2358)

Have a look what the booklet for
XYZ(25.2307, 18.4726, 2.2358)
contains.

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Color

**XYZ(25.1420, 18.3887,
2.2242)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | BF5A00 |
| RGB | 191, 90, 0 |
| RGB Percent | 75%, 35%, 0% |
| CMY | 0.2510, 0.6470, 1.0000 |
| CMYK | 0.00, 0.53, 1.00, 0.25 |
| HSL | 28°, 100%, 37% |
| HSV | 28°, 100%, 75% |
| XYZ | 25.1420, 18.3887, 2.2242 |
| YIQ | 109.9390, 89.0860, -6.5780 |

Conversions

Conversions Part 2

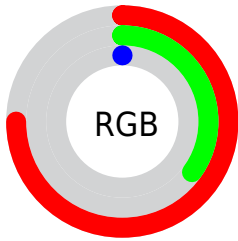
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 191, 170, 0 |
| Decimal | 12540416 |
| CIE Lab | 49.96, 36.64, 59.06 |
| CIE LCh | 50, 69.499, 58.187 |
| Yxy | 18.3887, 0.5495, 0.4019 |
| Android (android.graphics.Color) | 4290730496 (0xFFBF5A00) |
| YUV | 109.9390, -54.1999, 71.0905 |
| Hunter-Lab | 42.8820, 29.6120, 26.9422 |

Details

The XYZ color **25.1420, 18.3887, 2.2242** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **14.0572, 13.0681, 51.0713**, and the grayscale version is **14.9369, 15.7148, 17.1135**.

A 20% lighter version of the original color is **51.4156, 40.7646, 9.7159**, and **9.9647, 6.2634, 0.6838** is the 20% darker color. If you saturate the color by 10%, you get **25.1422, 18.3894, 2.2244**, and if you desaturate by 10%, it is **26.1714, 20.2583, 3.1516**.

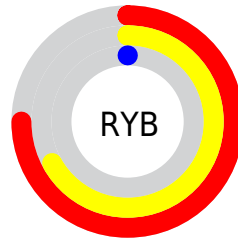
Distribution



Red (75%)

Green (35%)

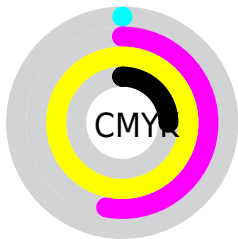
Blue (0%)



Red (75%)

Yellow (67%)

Blue (0%)

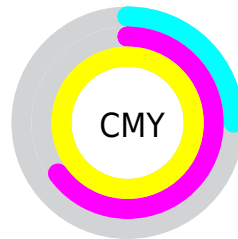


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (65%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.1420, 18.3887, 2.2242 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 25.1420, 18.3887, 2.2242 by changing the saturation by 10% instead.


 25.1420, 18.3887,
2.2242


 25.1420, 18.3887,
2.2242


270.8790,
243.0529, 125.7664


 16.3122, 11.2294,
0.6883


 51.3287, 40.6986,
9.6452


 9.8376, 6.2214,
0.0000


 69.4163, 56.6179,
16.3928

 5.3528, 2.9801,
0.0000


 91.3206, 76.2261,
25.7232

 2.4926, 1.1214,
0.0000

 117.4069, 99.9075,
38.0550

 0.8915, 0.0000,
0.0000

 148.0405,
128.0464, 53.8066

 0.0000, 0.0000,
0.0000

 183.5868,

161.0274, 73.3967

224.4112,
199.2348, 97.2438

25.1420, 18.3887,
2.2242

25.1420, 18.3887,
2.2242

25.1422, 18.3894,
2.2244

26.1714, 20.2583,
3.1516

27.4369, 22.4138,
4.7311

28.9850, 24.8811,
7.1855

30.8407, 27.6767,
10.6278

33.0260, 30.8154,
15.1540

■ 35.5602, 34.3106,
20.8484

■ 38.4610, 38.1751,
27.7871

■ 41.7447, 42.4207,
36.0394

■ 45.4265, 47.0587,
45.6696

Harmonies

Analogous

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



31.3831, 18.3887, 7.2071



25.1420, 18.3887, 2.2242



17.8864, 18.3887, 1.1806

Triad

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



25.1420, 18.3887, 2.2242



7.5425, 18.3887, 18.8834



24.2578, 18.3887, 72.9290

Complementary

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



25.1420, 18.3887, 2.2242



14.0572, 13.0681, 51.0713

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.



17.0756, 18.3887, 83.6794



25.1420, 18.3887, 2.2242



8.4403, 18.3887, 42.8465

Square

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



25.1420, 18.3887, 2.2242



8.6923, 18.3887, 6.2367



11.5549, 18.3887, 70.2148



30.7880, 18.3887, 46.2735

Rectangle

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



25.1420, 18.3887, 2.2242



13.7750, 18.3887, 1.4775



11.5549, 18.3887, 70.2148



21.7913, 18.3887, 79.0569

Sweetspot

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



25.1424, 18.3897, 2.2245



68.6216, 68.0274, 49.1226



23.8774, 12.0330, 13.6001



14.5666, 14.2744, 9.5707



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.



25.1424, 18.3897, 2.2245



44.7914, 32.4580, 3.9043



38.7579, 45.6207, 6.7630



9.8909, 10.2578, 10.0353



16.6027, 12.2441, 1.4883



0.7158, 0.6106, 0.0801

Inverse Universe

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



14.0572, 13.0681, 51.0713



24.9308, 22.9135, 91.3879



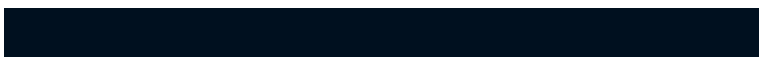
9.4731, 3.8998, 49.5432



9.4228, 10.0379, 12.1131



9.3194, 8.7505, 33.5907



0.4301, 0.4728, 1.3374

Previews

White Background



This preview shows how the XYZ color 25.1420, 18.3887, 2.2242 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 25.1420, 18.3887, 2.2242 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 25.1420, 18.3887, 2.2242

Background



This preview shows how black text looks on a background with the XYZ color 25.1420, 18.3887, 2.2242.



This preview shows how white text looks on a background with the XYZ color 25.1420, 18.3887,

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

25.1420, 18.3887, 2.2242

Protanopia

16.8093, 18.6243, 3.2392

Deuteranopia

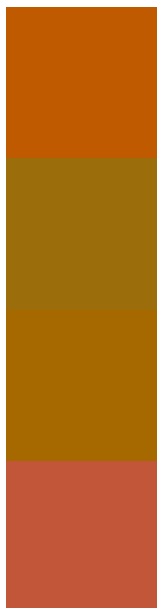
18.6676, 18.3896, 2.5657



Tritanopia

27.2216, 18.5313, 11.5933

Trichromacy



Original Color

25.1420, 18.3887, 2.2242

Protanomaly

19.0466, 17.9300, 2.7736

Deuteranomaly

20.7775, 18.2101, 2.4198

Tritanomaly

26.0586, 18.2884, 6.0275

Monochromacy



Original Color

25.1420, 18.3887, 2.2242

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

16.6032, 15.6317, 7.9365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1420, 18.3887, 2.2242 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, 90, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 90, 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, 90, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 90, 0) }
```

Border

The CSS property to change the border of an element to XYZ 25.1420, 18.3887, 2.2242 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, 90, 0) }
```


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

```
.border{ border-color:rgb(191, 90, 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, 90, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 90, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 90, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 90, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.1420, 18.3887, 2.2242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 90, 0) }
```

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

```
.background{ background-color: rgb(191, 90,  
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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