

Converting Colors

XYZ(22.2284, 12.4681, 1.2350)

Have a look what the booklet for
XYZ(22.2284, 12.4681, 1.2350)
contains.

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Color

**XYZ(22.1790, 12.4626,
1.2366)**

Conversions

Conversions Part 1

Format	Color
Hex	BF2600
RGB	191, 38, 0
RGB Percent	75%, 15%, 0%
CMY	0.2510, 0.8509, 1.0000
CMYK	0.00, 0.80, 1.00, 0.25
HSL	12°, 100%, 37%
HSV	12°, 100%, 75%
XYZ	22.1790, 12.4626, 1.2366
YIQ	79.4150, 103.3860, 20.6180

Conversions

Conversions Part 2

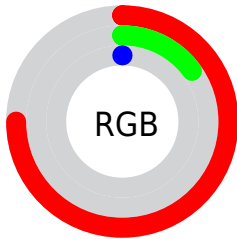
Format	Color
RYB	191, 47, 0
Decimal	12527104
CIELab	41.94, 58.08, 54.94
CIElCh	42, 79.947, 43.413
Yxy	12.4626, 0.6182, 0.3474
Android (android.graphics.Color)	4290717184 (0xFFBF2600)
YUV	79.4150, -39.1516, 97.8600
Hunter-Lab	35.3024, 50.3647, 22.6348

Details

The XYZ color **22.1790, 12.4626, 1.2366** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **20.7934, 26.5404, 53.3168**, and the grayscale version is **7.5721, 7.9664, 8.6754**.

A 20% lighter version of the original color is **46.2503, 30.2524, 6.7698**, and **8.9021, 4.5892, 0.4166** is the 20% darker color. If you saturate the color by 10%, you get **22.1792, 12.4632, 1.2367**, and if you desaturate by 10%, it is **22.8915, 13.6984, 2.0582**.

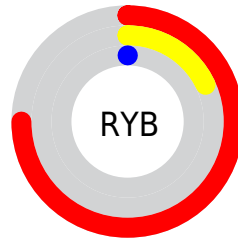
Distribution



Red (75%)

Green (15%)

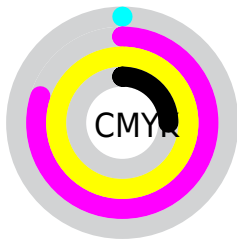
Blue (0%)



Red (75%)

Yellow (18%)

Blue (0%)

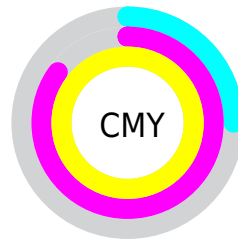


Cyan (0%)

Magenta (80%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (85%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 22.1790, 12.4626, 1.2366 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 22.1790, 12.4626, 1.2366 by changing the saturation by 10% instead.


 22.1790, 12.4626,
1.2366


 22.1790, 12.4626,
1.2366


 256.0945,
207.4442, 109.0926


 14.1058, 7.0596,
0.0090


 46.5183, 30.3349,
6.8228


 8.2765, 3.4994,
0.0000


 63.5152, 43.5729,
12.2993

 4.3257, 1.3977,
0.0000

 84.2173, 60.1914,
20.1227

 1.8880, 0.2150,
0.0000

 108.9901, 80.5747,
30.7116


 0.5698, 0.0000,
0.0000


 138.1988,
105.1072, 44.4844


 0.0000, 0.0000,
0.0000


 172.2089,


134.1734, 61.8599


 211.3856,
168.1576, 83.2565


 22.1790, 12.4626,
1.2366


 22.1790, 12.4626,
1.2366


 22.1792, 12.4632,
1.2367

 22.8915, 13.6984,
2.0582

 23.9431, 15.4261,
3.5665

 25.3951, 17.7014,
5.9888

 27.2859, 20.5670,
9.4428

 29.6489, 24.0611,
14.0282

■ 32.5143, 28.2188,
19.8331

■ 35.9095, 33.0722,
26.9365

■ 39.8601, 38.6516,
35.4111

■ 44.3898, 44.9854,
45.3240

Harmonies

Analogous

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



26.7135, 12.4626, 7.3285



22.1790, 12.4626, 1.2366



15.3984, 12.4626, 0.0000

Triad

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



22.1790, 12.4626, 1.2366



3.9459, 12.4626, 6.2325



14.6849, 12.4626, 76.3288

Complementary

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



22.1790, 12.4626, 1.2366



20.7934, 26.5404, 53.3168

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.



8.8857, 12.4626, 74.8614



22.1790, 12.4626, 1.2366



3.8680, 12.4626, 22.6167

Square

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



22.1790, 12.4626, 1.2366



5.6213, 12.4626, 0.9958



5.3546, 12.4626, 50.5309



21.5091, 12.4626, 53.6583

Rectangle

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



22.1790, 12.4626, 1.2366



11.1809, 12.4626, 0.0000



5.3546, 12.4626, 50.5309



12.5356, 12.4626, 78.9871

Sweetspot

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



22.1793, 12.4634, 1.2368



64.0028, 58.7897, 47.5830



27.4851, 13.4761, 32.5976



13.4627, 12.0664, 9.2027



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.



22.1793, 12.4634, 1.2368



39.5891, 22.0534, 2.1702



29.5373, 27.1795, 3.6895



9.6798, 9.8356, 9.9649



14.6224, 8.2836, 0.8282



0.6192, 0.4173, 0.0479

Inverse Universe

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



20.7934, 26.5404, 53.3168



37.0651, 47.1821, 95.4327



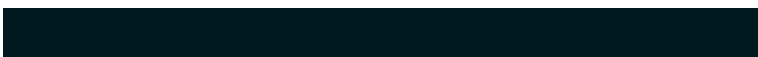
11.0453, 7.0444, 50.0674



9.6429, 10.4782, 12.1865



13.7226, 17.5570, 35.0585



0.5793, 0.7713, 1.3872

Previews

White Background



This preview shows how the XYZ color 22.1790, 12.4626, 1.2366 looks on a white 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

Black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.1790, 12.4626, 1.2366

Background



This preview shows how black text looks on a background with the XYZ color 22.1790, 12.4626, 1.2366.



This preview shows how white text looks on a background with the XYZ color 22.1790, 12.4626,

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

22.1790, 12.4626, 1.2366

Protanopia

11.5219, 12.6869, 2.6522

Deuteranopia

12.6964, 12.6200, 1.7667



Tritanopia

22.4201, 12.4595, 2.8134

Trichromacy



Original Color

22.1790, 12.4626, 1.2366

Protanomaly

13.7246, 11.0050, 1.8527

Deuteranomaly

15.0265, 11.3816, 1.4049

Tritanomaly

22.2922, 12.4574, 1.9886

Monochromacy



Original Color

22.1790, 12.4626, 1.2366

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

10.1548, 7.8902, 4.0053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1790, 12.4626, 1.2366 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, 38, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 38, 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, 38, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 38, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.1790, 12.4626, 1.2366 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, 38, 0) }
```


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

```
.border{ border-color:rgb(191, 38, 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, 38, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 38, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 38, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 38, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.1790, 12.4626, 1.2366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 38, 0) }
```

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

```
.background{ background-color: rgb(191, 38,  
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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