

Converting Colors

XYZ(22.1631, 11.6791, 1.0862)

Have a look what the booklet for
XYZ(22.1631, 11.6791, 1.0862)
contains.

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Color

**XYZ(22.1631, 11.6791,
1.0862)**

Conversions

Conversions Part 1

Format	Color
Hex	C10F00
RGB	193, 15, 0
RGB Percent	76%, 6%, 0%
CMY	0.2431, 0.9411, 1.0000
CMYK	0.00, 0.92, 1.00, 0.24
HSL	5°, 100%, 38%
HSV	5°, 100%, 76%
XYZ	22.1631, 11.6791, 1.0862
YIQ	66.5120, 110.9030, 33.0710

Conversions

Conversions Part 2

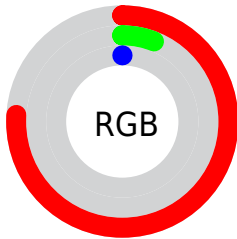
Format	Color
R_{YB}	193, 16, 0
Decimal	12652288
CIE _{Lab}	40.70, 63.35, 54.71
CIE _{LCh}	41, 83.702, 40.813
Yxy	11.6791, 0.6345, 0.3344
Android (android.graphics.Color)	4290842368 (0xFFC10F00)
YUV	66.5120, -32.7904, 110.9300
Hunter-Lab	34.1747, 55.9557, 22.0378

Details

The XYZ color **22.1631, 11.6791, 1.0862** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **25.5401, 35.6793, 55.9922**, and the grayscale version is **5.2984, 5.5744, 6.0705**.

A 20% lighter version of the original color is **45.2680, 28.3243, 6.3301**, and **9.0533, 4.6671, 0.4237** is the 20% darker color. If you saturate the color by 10%, you get **22.1633, 11.6798, 1.0863**, and if you desaturate by 10%, it is **22.6513, 12.4636, 1.8416**.

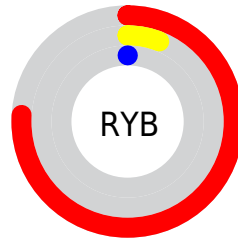
Distribution



Red (76%)

Green (6%)

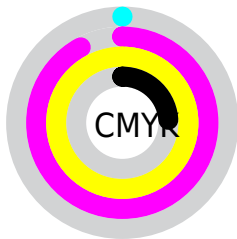
Blue (0%)



Red (76%)

Yellow (6%)

Blue (0%)

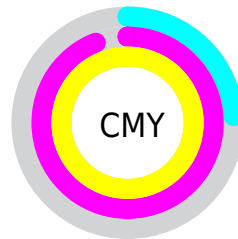


Cyan (0%)

Magenta (92%)

Yellow (100%)

Black (24%)



Cyan (24%)


Magenta (94%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1631, 11.6791, 1.0862 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 22.1631, 11.6791, 1.0862 by changing the saturation by 10% instead.


 22.1631, 11.6791,
1.0862

 22.1631, 11.6791,
1.0862


 256.0132,
202.2691, 106.0119


 14.0941, 6.5256,
0.0000


 46.4923, 28.9093,
6.3444


 8.2683, 3.1672,
0.0000


 63.4831, 41.7547,
11.5876


 4.3203, 1.2196,
0.0000

 84.1786, 57.9329,
19.1316

 1.8849, 0.0777,
0.0000

 108.9441, 77.8283,
29.3949


 0.5680, 0.0000,
0.0000


 138.1450,
101.8252, 42.7960


 0.0000, 0.0000,
0.0000


 172.1465,


130.3080, 59.7535


 211.3142,
163.6612, 80.6859


 22.1631, 11.6791,
1.0862


 22.1631, 11.6791,
1.0862


 22.1633, 11.6798,
1.0863

 22.6513, 12.4636,
1.8416

 23.5192, 13.8162,
3.3122

 24.8460, 15.8273,
5.7353

 26.6840, 18.5666,
9.2359

 29.0785, 22.0949,
13.9199

■ 32.0695, 26.4668,
19.8809

■ 35.6936, 31.7318,
27.2027

■ 39.9842, 37.9357,
35.9623

■ 44.9726, 45.1211,
46.2307

Harmonies

Analogous

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



26.4942, 11.6791, 7.5202



22.1631, 11.6791, 1.0862



15.2865, 11.6791, 0.0000

Triad

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



22.1631, 11.6791, 1.0862



3.4375, 11.6791, 4.7192



13.3808, 11.6791, 79.3447

Complementary

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



22.1631, 11.6791, 1.0862



25.5401, 35.6793, 55.9922

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.



7.7585, 11.6791, 75.2343



22.1631, 11.6791, 1.0862



3.2440, 11.6791, 19.8816

Square

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



22.1631, 11.6791, 1.0862



5.1904, 11.6791, 0.4772



4.5129, 11.6791, 48.2403



20.3480, 11.6791, 56.9165

Rectangle

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



22.1631, 11.6791, 1.0862



10.9395, 11.6791, 0.0000



4.5129, 11.6791, 48.2403



11.2633, 11.6791, 81.3153

Sweetspot

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



22.1633, 11.6798, 1.0864



63.5962, 56.3513, 48.0464



30.2438, 14.6381, 44.4823



13.0263, 11.1937, 9.0573



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.



22.1633, 11.6798, 1.0864



39.6292, 20.7870, 1.9236



27.5000, 22.3531, 2.8652



10.1348, 10.2011, 10.4967



14.7652, 7.8162, 0.7305



0.6600, 0.3819, 0.0389

Inverse Universe

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



25.5401, 35.6793, 55.9922



45.6592, 63.7349, 100.2559



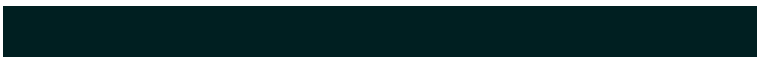
12.7676, 10.1342, 51.7347



10.2993, 11.2899, 12.9212



17.0141, 23.7847, 37.2508



0.7554, 1.0682, 1.6163

Previews

White Background



This preview shows how the XYZ color 22.1631, 11.6791, 1.0862 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 22.1631, 11.6791, 1.0862

Background



This preview shows how black text looks on a background with the XYZ color 22.1631, 11.6791, 1.0862.



This preview shows how white text looks on a background with the XYZ color 22.1631, 11.6791,

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

22.1631, 11.6791, 1.0862

Protanopia

10.9736, 12.1205, 2.6808

Deuteranopia

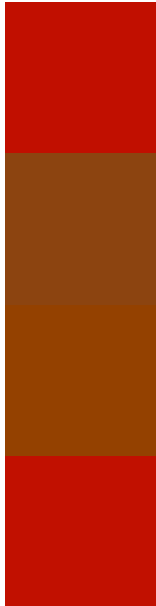
12.0827, 12.0397, 1.6871



Tritanopia

22.1928, 11.7384, 1.0960

Trichromacy



Original Color

22.1631, 11.6791, 1.0862

Protanomaly

12.9759, 9.7471, 1.6877

Deuteranomaly

14.1030, 10.0765, 1.2016

Tritanomaly

22.1776, 11.7080, 1.0910

Monochromacy



Original Color

22.1631, 11.6791, 1.0862

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

8.3030, 5.7990, 2.9672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1631, 11.6791, 1.0862 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(193, 15, 0)` looks like.

```
.text, #text, p{  
    color:rgb(193, 15, 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(193, 15, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 15, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.1631, 11.6791, 1.0862 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(193, 15, 0) }
```


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

```
.border{ border-color:rgb(193, 15, 0) }
```

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

Here you see how a box with a 4 pixel rgb(193, 15, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 15, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 15, 0);  
box-shadow:4px 4px 4px 4px rgb(193, 15, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.1631, 11.6791, 1.0862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 15, 0) }
```

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

```
.background{ background-color: rgb(193, 15,  
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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