

Converting Colors

XYZ(22.0714, 11.7242, 4.5406)

Have a look what the booklet for
XYZ(22.0714, 11.7242, 4.5406)
contains.

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Color

**XYZ(22.1880, 11.7873,
4.5958)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | BE1636 |
| RGB | 190, 22, 54 |
| RGB Percent | 75%, 9%, 21% |
| CMY | 0.2549, 0.9136, 0.7882 |
| CMYK | 0.00, 0.88, 0.72, 0.25 |
| HSL | 349°, 79%, 42% |
| HSV | 349°, 88%, 75% |
| XYZ | 22.1880, 11.7873, 4.5958 |
| YIQ | 75.8800, 89.8560, 45.5680 |

Conversions

Conversions Part 2

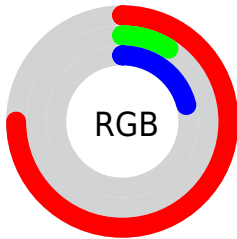
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 190, 22, 54 |
| Decimal | 12457526 |
| CIE _{Lab} | 40.88, 62.71, 28.43 |
| CIE _{LCh} | 41, 68.854, 24.384 |
| Yxy | 11.7873, 0.5752, 0.3056 |
| Android (android.graphics.Color) | 4290647606 (0xFFBE1636) |
| YUV | 75.8800, -10.7868, 100.0832 |
| Hunter-Lab | 34.3326, 55.2763, 16.0962 |

Details

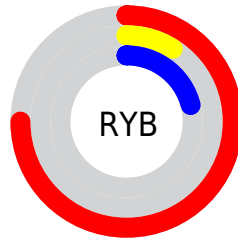
The XYZ color **22.1880, 11.7873, 4.5958** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **24.9179, 39.4668, 38.6609**, and the grayscale version is **6.8569, 7.2140, 7.8561**.

A 20% lighter version of the original color is **46.5131, 29.1346, 15.4839**, and **8.9684, 4.6157, 0.7661** is the 20% darker color. If you saturate the color by 10%, you get **21.6278, 11.1566, 2.9000**, and if you desaturate by 10%, it is **23.1149, 12.9688, 6.9777**.

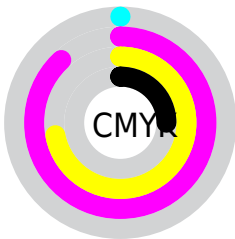
Distribution



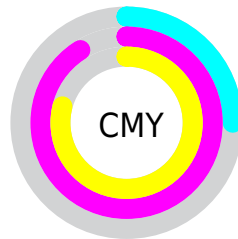
- Red (75%)
- Green (9%)
- Blue (21%)



- Red (75%)
- Yellow (9%)
- Blue (21%)



- Cyan (0%)
- Magenta (88%)
- Yellow (72%)
- Black (25%)





- Cyan (25%)
- Magenta (91%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.1880, 11.7873, 4.5958 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 22.1880, 11.7873, 4.5958 by changing the saturation by 10% instead.


 22.1880, 11.7873,
4.5958


 22.1880, 11.7873,
4.5958


256.1404,
202.9920, 154.6338


 14.1125, 6.5990,
1.9576


 46.5331, 29.1071,
15.3621


 8.2812, 3.2126,
0.5290


 63.5333, 42.0074,
24.3272

 4.3287, 1.2437,
0.0000

 84.2392, 58.2472,
36.2384

 1.8897, 0.0970,
0.0000

 109.0161, 78.2109,
51.5141

 0.5709, 0.0000,
0.0000

 138.2293,
102.2828, 70.5730

 0.0000, 0.0000,
0.0000

 172.2442,

130.8474, 93.8336

211.4261,
164.2890, 121.7143

■ 22.1880, 11.7873,
4.5958

■ 22.1880, 11.7873,
4.5958

■ 21.6278, 11.1566,
2.9000

■ 23.1149, 12.9688,
6.9777

■ 21.5562, 11.0755,
2.6846

■ 24.4824, 14.8331,
10.1184

■ 26.3400, 17.4649,
14.0771

■ 28.7298, 20.9363,
18.9073

■ 31.6896, 25.3107,
24.6574

■ 35.2535, 30.6456,
31.3724

■ 39.4528, 36.9936,
39.0943

■ 44.3170, 44.4036,
47.8624

■ 49.8732, 52.9212,
57.7141

Harmonies

Analogous

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



23.4684, 11.7873, 15.6657



22.1880, 11.7873, 4.5958



17.6488, 11.7873, 1.0147

Triad

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



22.1880, 11.7873, 4.5958



5.1483, 11.7873, 2.6508



10.3049, 11.7873, 62.9189

Complementary

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



22.1880, 11.7873, 4.5958



24.9179, 39.4668, 38.6609

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.



6.5564, 11.7873, 49.7438



22.1880, 11.7873, 4.5958



4.1902, 11.7873, 10.3665

Square

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



22.1880, 11.7873, 4.5958



7.7407, 11.7873, 0.5428



4.6176, 11.7873, 27.5440



15.5701, 11.7873, 56.5609

Rectangle

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



22.1880, 11.7873, 4.5958



13.9414, 11.7873, 0.2911



4.6176, 11.7873, 27.5440



8.8497, 11.7873, 60.4467

Sweetspot

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



22.1883, 11.7880, 4.5960



64.5739, 56.5719, 58.1322



23.3701, 11.4005, 49.6838



13.6531, 11.6307, 11.7836



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.



22.1883, 11.7880, 4.5960



38.9963, 20.0438, 4.5125



23.7243, 15.6935, 2.5388



9.6024, 9.5653, 10.2953



14.3559, 7.3735, 1.9016



0.5850, 0.2979, 0.1940

Inverse Universe

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



22.1883, 11.7880, 4.5960



38.9963, 20.0438, 4.5125



18.9461, 22.5296, 52.0651



9.6024, 9.5653, 10.2953



14.3559, 7.3735, 1.9016



0.5850, 0.2979, 0.1940

Previews

White Background



This preview shows how the XYZ color 22.1880, 11.7873, 4.5958 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 22.1880, 11.7873, 4.5958

Background



This preview shows how black text looks on a background with the XYZ color 22.1880, 11.7873, 4.5958.



This preview shows how white text looks on a background with the XYZ color 22.1880, 11.7873,

4.5958.

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

22.1880, 11.7873, 4.5958

Protanopia

11.4879, 12.2429, 9.1548

Deuteranopia

12.2732, 12.0831, 4.1680



Tritanopia

21.6235, 11.7767, 2.1704

Trichromacy



Original Color

22.1880, 11.7873, 4.5958

Protanomaly

13.2873, 9.9734, 7.0191

Deuteranomaly

14.3947, 10.3387, 4.0332

Tritanomaly

21.6896, 11.6912, 2.8637

Monochromacy



Original Color

22.1880, 11.7873, 4.5958

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

9.7937, 7.0276, 6.3091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1880, 11.7873, 4.5958 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(190, 22, 54)` looks like.

```
.text, #text, p{  
    color:rgb(190, 22, 54)  
}
```

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(190, 22, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 22, 54) }
```

Border

The CSS property to change the border of an element to XYZ 22.1880, 11.7873, 4.5958 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(190, 22, 54) }
```


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

```
.border{ border-color:rgb(190, 22, 54) }
```

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

Here you see how a box with a 4 pixel rgb(190, 22, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 22, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 22, 54);  
box-shadow:4px 4px 4px 4px rgb(190, 22,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1880, 11.7873, 4.5958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 22, 54) }
```

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

```
.background{ background-color: rgb(190, 22,  
54) }
```

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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