

Converting Colors

XYZ(21.8823, 11.2060, 4.4012)

Have a look what the booklet for
XYZ(21.8823, 11.2060, 4.4012)
contains.

XYZ(21.8778, 11.2042, 4.3777)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.8778, 11.2042,
4.3777)**

Conversions

Conversions Part 1

Format	Color
Hex	BE0035
RGB	190, 0, 53
RGB Percent	75%, 0%, 21%
CMY	0.2549, 0.9999, 0.7922
CMYK	0.00, 1.00, 0.72, 0.25
HSL	343°, 100%, 37%
HSV	343°, 100%, 75%
XYZ	21.8778, 11.2042, 4.3777
YIQ	62.8520, 96.2270, 56.7630

Conversions

Conversions Part 2

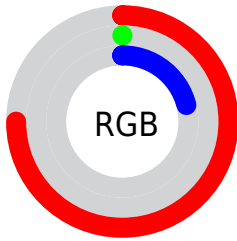
Format	Color
R_{YB}	190, 0, 53
Decimal	12451893
CIE Lab	39.92, 65.38, 27.90
CIE LCh	40, 71.086, 23.111
Yxy	11.2042, 0.5840, 0.2991
Android (android.graphics.Color)	4290641973 (0xFFBE0035)
YUV	62.8520, -4.8570, 111.5088
Hunter-Lab	33.4727, 58.0907, 15.6767

Details

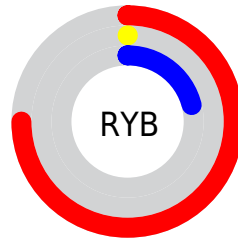
The XYZ color **21.8778, 11.2042, 4.3777** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **22.9317, 38.6340, 29.9288**, and the grayscale version is **4.7028, 4.9477, 5.3880**.

A 20% lighter version of the original color is **45.8534, 27.9700, 14.7864**, and **8.9625, 4.6134, 0.7347** is the 20% darker color. If you saturate the color by 10%, you get **21.8770, 11.2039, 4.3745**, and if you desaturate by 10%, it is **22.4728, 11.8157, 6.3598**.

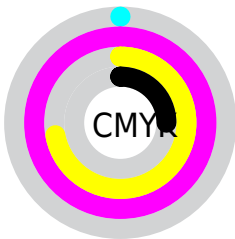
Distribution



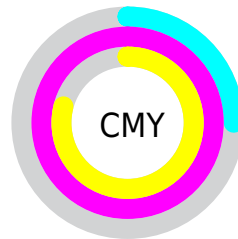
- Red (75%)
- Green (0%)
- Blue (21%)



- Red (75%)
- Yellow (0%)
- Blue (21%)



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (25%)





- Cyan (25%)
- Magenta (100%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.8778, 11.2042, 4.3777 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 21.8778, 11.2042, 4.3777 by changing the saturation by 10% instead.


 21.8778, 11.2042,
4.3777


 21.8778, 11.2042,
4.3777


254.5518,
199.0632, 152.3353


 13.8832, 6.2044,
1.8348


 46.0243, 28.0372,
14.8719


 8.1207, 2.9697,
0.4507


 62.9070, 40.6391,
23.6602


 4.2247, 1.1160,
0.0000

 83.4830, 56.5438,
35.3674

 1.8300, 0.0000,
0.0000

 108.1178, 76.1357,
50.4120

 0.5357, 0.0000,
0.0000

 137.1768, 99.7992,
69.2125

 0.0000, 0.0000,
0.0000

 171.0252,

127.9186, 92.1876

210.0284,
160.8785, 119.7556

■ 21.8778, 11.2042,
4.3777

■ 21.8778, 11.2042,
4.3777

■ 21.8770, 11.2039,
4.3745

■ 22.4728, 11.8157,
6.3598

■ 23.3923, 12.9208,
8.9292

■ 24.7252, 14.6870,
12.1468

■ 26.5187, 17.1996,
16.0567

■ 28.8133, 20.5311,
20.6988

■ 31.6448, 24.7452,
26.1098

■ 35.0458, 29.8994,
32.3236

■ 39.0461, 36.0460,
39.3720

■ 43.6733, 43.2339,
47.2853

Harmonies

Analogous

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



23.0087, 11.2042, 15.7309



21.8778, 11.2042, 4.3777



17.3651, 11.2042, 0.8374

Triad

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



21.8778, 11.2042, 4.3777



4.7515, 11.2042, 2.1131



9.5586, 11.2042, 63.3790

Complementary

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



21.8778, 11.2042, 4.3777



22.9317, 38.6340, 29.9288

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.



5.9358, 11.2042, 49.0070



21.8778, 11.2042, 4.3777



3.7669, 11.2042, 9.2406

Square

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



21.8778, 11.2042, 4.3777



7.3627, 11.2042, 0.2412



4.1216, 11.2042, 26.1510



14.7919, 11.2042, 57.6498

Rectangle

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



21.8778, 11.2042, 4.3777



13.6277, 11.2042, 0.0567



4.1216, 11.2042, 26.1510



8.1398, 11.2042, 60.5165

Sweetspot

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



21.8781, 11.2049, 4.3779



63.1717, 53.6682, 57.9708



19.4766, 8.9675, 49.4192



13.2706, 10.8705, 11.6412



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.



21.8781, 11.2049, 4.3779



39.5544, 20.2671, 7.4515



22.0350, 12.5466, 1.2614



9.6366, 9.5789, 10.4751



14.5764, 7.4617, 3.0628



0.5998, 0.3038, 0.2720

Inverse Universe

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



21.8781, 11.2049, 4.3779



39.5544, 20.2671, 7.4515



20.0169, 25.1625, 52.5167



9.6366, 9.5789, 10.4751



14.5764, 7.4617, 3.0628



0.5998, 0.3038, 0.2720

Previews

White Background



This preview shows how the XYZ color 21.8778, 11.2042, 4.3777 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 21.8778, 11.2042, 4.3777

Background



This preview shows how black text looks on a background with the XYZ color 21.8778, 11.2042, 4.3777.



This preview shows how white text looks on a background with the XYZ color 21.8778, 11.2042,

4.3777.

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

21.8778, 11.2042, 4.3777

Protanopia

11.0736, 11.7550, 9.0824

Deuteranopia

12.0089, 11.8218, 3.9344



Tritanopia

21.3667, 11.4300, 1.5703

Trichromacy



Original Color

21.8778, 11.2042, 4.3777

Protanomaly

12.6058, 8.8480, 6.8378

Deuteranomaly

13.7541, 9.3529, 3.7697

Tritanomaly

21.3651, 11.2216, 2.2023

Monochromacy



Original Color

21.8778, 11.2042, 4.3777

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

7.8549, 5.0846, 4.7051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8778, 11.2042, 4.3777 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, 0, 53)` looks like.

```
.text, #text, p{  
    color:rgb(190, 0, 53)  
}
```

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, 0, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 0, 53) }
```

Border

The CSS property to change the border of an element to XYZ 21.8778, 11.2042, 4.3777 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, 0, 53) }
```


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

```
.border{ border-color:rgb(190, 0, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 0, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 0, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 0, 53);  
box-shadow:4px 4px 4px 4px rgb(190, 0, 53)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.8778, 11.2042, 4.3777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 0, 53) }
```

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

```
.background{ background-color: rgb(190, 0,  
53) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor