

Converting Colors

XYZ(22.3358, 11.4236, 5.1526)

Have a look what the booklet for
XYZ(22.3358, 11.4236, 5.1526)
contains.

XYZ(22.2753, 11.3921, 5.1625)	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(22.2753, 11.3921,
5.1625)**

Conversions

Conversions Part 1

Format	Color
Hex	BF003B
RGB	191, 0, 59
RGB Percent	75%, 0%, 23%
CMY	0.2510, 0.9999, 0.7686
CMYK	0.00, 1.00, 0.69, 0.25
HSL	341°, 100%, 37%
HSV	341°, 100%, 75%
XYZ	22.2753, 11.3921, 5.1625
YIQ	63.8350, 94.8970, 58.8410

Conversions

Conversions Part 2

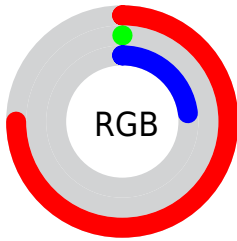
Format	Color
R_YB	191, 0, 59
Decimal	12517435
CIE Lab	40.23, 65.89, 24.57
CIE LCh	40, 70.317, 20.449
Yxy	11.3921, 0.5737, 0.2934
Android (android.graphics.Color)	4290707515 (0xFFBF003B)
YUV	63.8350, -2.3837, 111.5237
Hunter-Lab	33.7522, 58.7376, 14.5579

Details

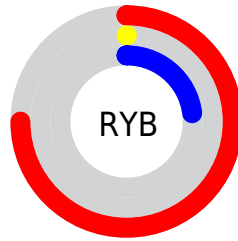
The XYZ color **22.2753, 11.3921, 5.1625** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **22.7983, 38.9285, 28.1539**, and the grayscale version is **4.8447, 5.0970, 5.5506**.

A 20% lighter version of the original color is **46.5678, 28.2980, 16.6433**, and **9.1624, 4.7108, 0.9986** is the 20% darker color. If you saturate the color by 10%, you get **22.2746, 11.3919, 5.1594**, and if you desaturate by 10%, it is **22.8972, 12.0171, 7.2783**.

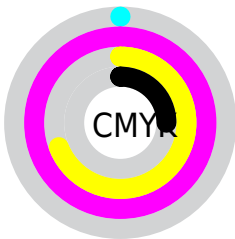
Distribution



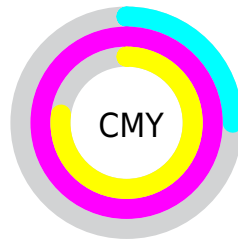
- Red (75%)
- Green (0%)
- Blue (23%)



- Red (75%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (69%)
- Black (25%)





- Cyan (25%)
- Magenta (100%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.2753, 11.3921, 5.1625 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 22.2753, 11.3921, 5.1625 by changing the saturation by 10% instead.


 22.2753, 11.3921,
5.1625


 22.2753, 11.3921,
5.1625


256.5860,
200.3382, 160.3826


 14.1771, 6.3312,
2.2825


 46.6761, 28.3830,
16.6127


 8.3264, 3.0475,
0.7214


 63.7093, 41.0818,
26.0200

 4.3581, 1.1566,
0.0000

 84.4516, 57.0953,
38.4401

 1.9066, 0.0258,
0.0000

 109.2682, 76.8080,
54.2917

 0.5807, 0.0000,
0.0000

 138.5247,
100.6042, 73.9931

 0.0000, 0.0000,
0.0000

 172.5862,

128.8684, 97.9631

211.8182,
161.9849, 126.6200

■ 22.2753, 11.3921,
5.1625

■ 22.2753, 11.3921,
5.1625

■ 22.2746, 11.3919,
5.1594

■ 22.8972, 12.0171,
7.2783

■ 23.8422, 13.1398,
9.9585

■ 25.1988, 14.9290,
13.2595

■ 27.0142, 17.4707,
17.2219

■ 29.3286, 20.8381,
21.8822

■ 32.1777, 25.0954,
27.2739

■ 35.5938, 30.3007,
33.4282

■ 39.6065, 36.5069,
40.3744

■ 44.2434, 43.7630,
48.1402

Harmonies

Analogous

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



23.0329, 11.3921, 17.4429



22.2753, 11.3921, 5.1625



18.0053, 11.3921, 1.0623

Triad

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



22.2753, 11.3921, 5.1625



5.0659, 11.3921, 1.9334



9.3382, 11.3921, 62.5913

Complementary

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



22.2753, 11.3921, 5.1625



22.7983, 38.9285, 28.1539

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.



5.8674, 11.3921, 47.0199



22.2753, 11.3921, 5.1625



3.9399, 11.3921, 8.4431

Square

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



22.2753, 11.3921, 5.1625



7.8580, 11.3921, 0.2434



4.1807, 11.3921, 24.4238



14.4651, 11.3921, 58.7694

Rectangle

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



22.2753, 11.3921, 5.1625



14.2976, 11.3921, 0.2171



4.1807, 11.3921, 24.4238



7.9705, 11.3921, 59.1780

Sweetspot

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



22.2756, 11.3928, 5.1627



63.4231, 53.7688, 59.2949



18.6913, 8.5499, 49.9552



13.3305, 10.8944, 11.9564



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.



22.2756, 11.3928, 5.1627



39.7990, 20.3649, 8.7396



22.0883, 12.2810, 1.2072



9.6482, 9.5836, 10.5366



14.6708, 7.4995, 3.5600



0.6049, 0.3058, 0.2985

Inverse Universe

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



22.2756, 11.3928, 5.1627



39.7990, 20.3649, 8.7396



21.2910, 27.5351, 53.4827



9.6482, 9.5836, 10.5366



14.6708, 7.4995, 3.5600



0.6049, 0.3058, 0.2985

Previews

White Background



This preview shows how the XYZ color 22.2753, 11.3921, 5.1625 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

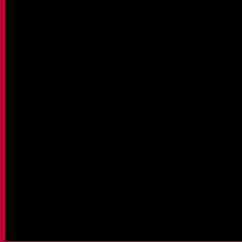
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.2753, 11.3921, 5.1625

Background



This preview shows how black text looks on a background with the XYZ color 22.2753, 11.3921, 5.1625.



This preview shows how white text looks on a background with the XYZ color 22.2753, 11.3921,

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

22.2753, 11.3921, 5.1625

Protanopia

11.3618, 12.0042, 10.7350

Deuteranopia

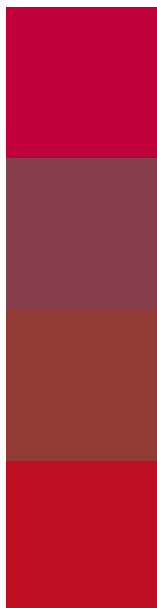
12.2358, 12.0521, 4.6990



Tritanopia

21.6881, 11.6509, 1.7676

Trichromacy



Original Color

22.2753, 11.3921, 5.1625

Protanomaly

12.8937, 9.0494, 8.0883

Deuteranomaly

14.0606, 9.4960, 4.4600

Tritanomaly

21.6948, 11.4043, 2.5712

Monochromacy



Original Color

22.2753, 11.3921, 5.1625

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

8.0928, 5.2487, 5.1440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2753, 11.3921, 5.1625 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, 0, 59)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 59)  
}
```

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, 0, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 59) }
```

Border

The CSS property to change the border of an element to XYZ 22.2753, 11.3921, 5.1625 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, 0, 59) }
```


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

```
.border{ border-color:rgb(191, 0, 59) }
```

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

Here you see how a box with a 4 pixel rgb(191, 0, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 59);  
box-shadow:4px 4px 4px 4px rgb(191, 0, 59)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.2753, 11.3921, 5.1625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 0, 59) }
```

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

```
.background{ background-color: rgb(191, 0,  
59) }
```

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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