

Converting Colors

XYZ(21.2320, 10.8602, 4.8481)

Have a look what the booklet for
XYZ(21.2320, 10.8602, 4.8481)
contains.

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Color

**XYZ(21.2320, 10.8602,
4.8481)**

Conversions

Conversions Part 1

Format	Color
Hex	BB0039
RGB	187, 0, 57
RGB Percent	73%, 0%, 22%
CMY	0.2667, 0.9999, 0.7765
CMYK	0.00, 1.00, 0.70, 0.27
HSL	342°, 100%, 37%
HSV	342°, 100%, 73%
XYZ	21.2320, 10.8602, 4.8481
YIQ	62.4110, 93.1550, 57.3710

Conversions

Conversions Part 2

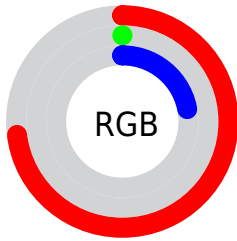
Format	Color
RYB	187, 0, 57
Decimal	12255289
CIELab	39.34, 64.83, 24.53
CIELCh	39, 69.316, 20.729
Yxy	10.8602, 0.5748, 0.2940
Android (android.graphics.Color)	4290445369 (0xFFBB0039)
YUV	62.4110, -2.6676, 109.2646
Hunter-Lab	32.9548, 57.3323, 14.3460

Details

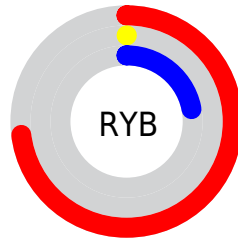
The XYZ color **21.2320, 10.8602, 4.8481** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **21.8022, 37.1532, 27.1533**, and the grayscale version is **4.6354, 4.8768, 5.3108**.

A 20% lighter version of the original color is **44.9403, 27.3581, 16.0087**, and **8.5510, 4.3974, 0.8883** is the 20% darker color. If you saturate the color by 10%, you get **21.2313, 10.8599, 4.8449**, and if you desaturate by 10%, it is **21.8273, 11.4638, 6.8571**.

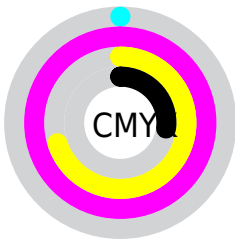
Distribution



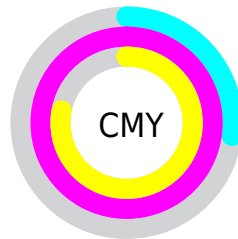
- Red (73%)
- Green (0%)
- Blue (22%)



- Red (73%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (70%)
- Black (27%)





- Cyan (27%)
- Magenta (100%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.2320, 10.8602, 4.8481 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 21.2320, 10.8602, 4.8481 by changing the saturation by 10% instead.


 21.2320, 10.8602,
4.8481


 21.2320, 10.8602,
4.8481


251.2173,
196.7059, 157.2311


 13.4071, 5.9729,
2.1012


 44.9617, 27.4014,
15.9228


 7.7884, 2.8286,
0.6165


 61.5972, 39.8240,
25.0877


 4.0105, 1.0429,
0.0000

 81.9004, 55.5273,
37.2290

 1.7081, 0.0000,
0.0000

 106.2364, 74.8955,
52.7653

 0.4613, 0.0000,
0.0000

 134.9708, 98.3130,
72.1152

 0.0000, 0.0000,
0.0000

 168.4688,

126.1644, 95.6970

207.0959,
158.8339, 123.9295

■ 21.2320, 10.8602,
4.8481

■ 21.2320, 10.8602,
4.8481

■ 21.2313, 10.8599,
4.8449

■ 21.8273, 11.4638,
6.8571

■ 22.7301, 12.5397,
9.4071

■ 24.0257, 14.2508,
12.5525

■ 25.7591, 16.6789,
16.3325

■ 27.9684, 19.8931,
20.7820

■ 30.6877, 23.9546,
25.9333

■ 33.9475, 28.9185,
31.8166

■ 37.7762, 34.8349,
38.4599

■ 42.1999, 41.7506,
45.8899

Harmonies

Analogous

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



21.9928, 10.8602, 16.4816



21.2320, 10.8602, 4.8481



17.1298, 10.8602, 0.9912

Triad

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



21.2320, 10.8602, 4.8481



4.8059, 10.8602, 1.8639



8.9394, 10.8602, 59.8489

Complementary

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



21.2320, 10.8602, 4.8481



21.8022, 37.1532, 27.1533

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.



5.6100, 10.8602, 45.0966



21.2320, 10.8602, 4.8481



3.7451, 10.8602, 8.1401

Square

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



21.2320, 10.8602, 4.8481



7.4538, 10.8602, 0.2101



3.9866, 10.8602, 23.4919



13.8458, 10.8602, 56.0091

Rectangle

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



21.2320, 10.8602, 4.8481



13.5859, 10.8602, 0.1680



3.9866, 10.8602, 23.4919



7.6283, 10.8602, 56.6437

Sweetspot

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



21.2322, 10.8609, 4.8483



60.4822, 51.3052, 56.4206



17.8411, 8.1618, 47.6484



12.7525, 10.4320, 11.4121



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.2322, 10.8609, 4.8483



37.9335, 19.4134, 8.1929



21.0745, 11.7268, 1.1538



9.6466, 9.5830, 10.5282



14.6573, 7.4941, 3.4888



0.6042, 0.3056, 0.2949

Inverse Universe

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



21.2322, 10.8609, 4.8483



37.9335, 19.4134, 8.1929



20.3159, 26.2798, 51.0150



9.6466, 9.5830, 10.5282



14.6573, 7.4941, 3.4888



0.6042, 0.3056, 0.2949

Previews

White Background



This preview shows how the XYZ color 21.2320, 10.8602, 4.8481 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 21.2320, 10.8602, 4.8481

Background



This preview shows how black text looks on a background with the XYZ color 21.2320, 10.8602, 4.8481.



This preview shows how white text looks on a background with the XYZ color 21.2320, 10.8602,

4.8481.

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

21.2320, 10.8602, 4.8481

Protanopia

10.9480, 11.5338, 10.0367

Deuteranopia

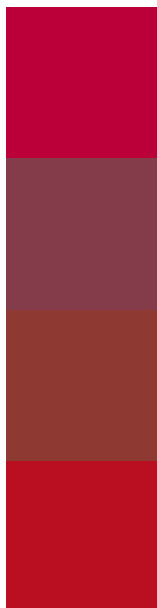
11.6107, 11.4775, 4.3997



Tritanopia

20.6736, 11.0989, 1.6688

Trichromacy



Original Color

21.2320, 10.8602, 4.8481

Protanomaly

12.3676, 8.6317, 7.4928

Deuteranomaly

13.2659, 9.0159, 4.1730

Tritanomaly

20.6950, 10.8906, 2.4502

Monochromacy



Original Color

21.2320, 10.8602, 4.8481

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.6045, 4.9031, 4.8206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2320, 10.8602, 4.8481 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(187, 0, 57)` looks like.

```
.text, #text, p{  
  color:rgb(187, 0, 57)  
}
```

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(187, 0, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 0, 57) }
```

Border

The CSS property to change the border of an element to XYZ 21.2320, 10.8602, 4.8481 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(187, 0, 57) }
```


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

```
.border{ border-color:rgb(187, 0, 57) }
```

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

Here you see how a box with a 4 pixel rgb(187, 0, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 0, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 0, 57);  
box-shadow:4px 4px 4px 4px rgb(187, 0, 57)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.2320, 10.8602, 4.8481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 0, 57) }
```

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

```
.background{ background-color: rgb(187, 0,  
57) }
```

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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