

Converting Colors

XYZ(22.1970, 12.5207, 4.4224)

Have a look what the booklet for
XYZ(22.1970, 12.5207, 4.4224)
contains.

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Color

**XYZ(22.0954, 12.4480,
4.3701)**

Conversions

Conversions Part 1

Format	Color
Hex	BC2833
RGB	188, 40, 51
RGB Percent	74%, 16%, 20%
CMY	0.2627, 0.8431, 0.8000
CMYK	0.00, 0.79, 0.73, 0.26
HSL	356°, 65%, 45%
HSV	356°, 79%, 74%
XYZ	22.0954, 12.4480, 4.3701
YIQ	85.5060, 84.6770, 34.7970

Conversions

Conversions Part 2

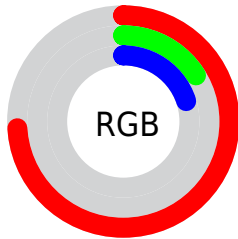
Format	Color
R _Y B	188, 40, 51
Decimal	12331059
CIE Lab	41.92, 57.79, 31.38
CIE LCh	42, 65.758, 28.508
Yxy	12.4480, 0.5678, 0.3199
Android (android.graphics.Color)	4290521139 (0xFFBC2833)
YUV	85.5060, -17.0115, 89.8872
Hunter-Lab	35.2817, 50.0437, 17.3534

Details

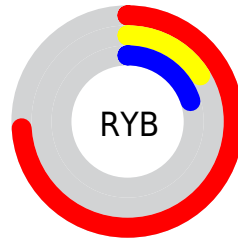
The XYZ color **22.0954, 12.4480, 4.3701** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **26.7957, 39.5924, 47.8309**, and the grayscale version is **8.7642, 9.2207, 10.0413**.

A 20% lighter version of the original color is **46.4501, 30.3148, 14.9584**, and **8.7907, 4.5274, 0.6116** is the 20% darker color. If you saturate the color by 10%, you get **21.2939, 11.3487, 2.5512**, and if you desaturate by 10%, it is **23.3490, 14.2223, 7.0483**.

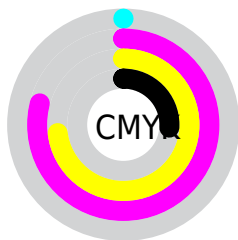
Distribution



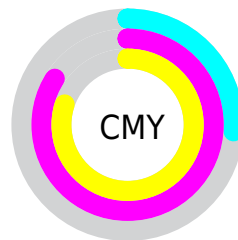
- Red (74%)
- Green (16%)
- Blue (20%)



- Red (74%)
- Yellow (16%)
- Blue (20%)



- Cyan (0%)
- Magenta (79%)
- Yellow (73%)
- Black (26%)





- Cyan (26%)
- Magenta (84%)
- Yellow (80%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0954, 12.4480, 4.3701 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 22.0954, 12.4480, 4.3701 by changing the saturation by 10% instead.


 22.0954, 12.4480,
4.3701


 22.0954, 12.4480,
4.3701


255.6671,
207.3490, 152.2543


 14.0440, 7.0496,
1.8305


 46.3813, 30.3085,
14.8547

 8.2332, 3.4931,
0.4480


 63.3465, 43.5393,
23.6368


 4.2976, 1.3943,
0.0000

 84.0137, 60.1496,
35.3368

 1.8718, 0.2125,
0.0000

 108.7483, 80.5240,
50.3732

 0.5604, 0.0000,
0.0000

 137.9156,
105.0467, 69.1646

 0.0000, 0.0000,
0.0000

 171.8809,

134.1022, 92.1296

211.0096,
168.0748, 119.6866

■ 22.0954, 12.4480,
4.3701

■ 22.0954, 12.4480,
4.3701

■ 21.2939, 11.3487,
2.5512

■ 23.3490, 14.2223,
7.0483

■ 20.8601, 10.7817,
1.4794

■ 25.1079, 16.7540,
10.6742

■ 20.8179, 10.7229,
1.3865

■ 27.4184, 20.1160,
15.3257

■ 30.3216, 24.3724,
21.0724

■ 33.8547, 29.5805,
27.9779

■ 38.0516, 35.7932,
36.1010

■ 42.9440, 43.0595,
45.4963

■ 48.5615, 51.4249,
56.2154

■ 54.9320, 60.9326,
68.3066

Harmonies

Analogous

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



23.8543, 12.4480, 14.2631



22.0954, 12.4480, 4.3701



17.4181, 12.4480, 1.1427

Triad

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



22.0954, 12.4480, 4.3701



5.5158, 12.4480, 3.8264



11.5896, 12.4480, 61.8057

Complementary

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



22.0954, 12.4480, 4.3701



26.7957, 39.5924, 47.8309

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.



7.5888, 12.4480, 51.6050



22.0954, 12.4480, 4.3701



4.7303, 12.4480, 12.8683

Square

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



22.0954, 12.4480, 4.3701



7.9068, 12.4480, 1.0138



5.3707, 12.4480, 30.7700



16.8780, 12.4480, 53.3240

Rectangle

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



22.0954, 12.4480, 4.3701



13.7936, 12.4480, 0.5478



5.3707, 12.4480, 30.7700



10.0648, 12.4480, 60.3658

Sweetspot

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



22.0957, 12.4488, 4.3703



64.4946, 58.2502, 56.7948



27.6656, 14.3406, 48.8866



13.3091, 11.6981, 11.1269



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.



22.0957, 12.4488, 4.3703



38.0105, 19.8125, 3.1712



25.8415, 20.2833, 4.5617



9.5581, 9.5476, 10.0622



14.1850, 7.3052, 1.0019



0.5655, 0.2901, 0.0914

Inverse Universe

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



22.0957, 12.4488, 4.3703



38.0105, 19.8125, 3.1712



17.4568, 19.0906, 50.3415



9.5581, 9.5476, 10.0622



14.1850, 7.3052, 1.0019



0.5655, 0.2901, 0.0914

Previews

White Background



This preview shows how the XYZ color 22.0954, 12.4480, 4.3701 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 22.0954, 12.4480, 4.3701

Background



This preview shows how black text looks on a background with the XYZ color 22.0954, 12.4480, 4.3701.



This preview shows how white text looks on a background with the XYZ color 22.0954, 12.4480,

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

22.0954, 12.4480, 4.3701

Protanopia

11.8788, 12.7574, 7.7976

Deuteranopia

12.8223, 12.6367, 3.9538



Tritanopia

21.9849, 12.5145, 3.4473

Trichromacy



Original Color

22.0954, 12.4480, 4.3701

Protanomaly

13.9663, 11.1373, 6.2641

Deuteranomaly

15.0224, 11.4247, 3.8960

Tritanomaly

22.0056, 12.4667, 3.7291

Monochromacy



Original Color

22.0954, 12.4480, 4.3701

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

11.4991, 8.9482, 7.4244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0954, 12.4480, 4.3701 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(188, 40, 51)` looks like.

```
.text, #text, p{  
    color:rgb(188, 40, 51)  
}
```

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(188, 40, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 40, 51) }
```

Border

The CSS property to change the border of an element to XYZ 22.0954, 12.4480, 4.3701 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(188, 40, 51) }
```


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

```
.border{ border-color:rgb(188, 40, 51) }
```

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

Here you see how a box with a 4 pixel rgb(188, 40, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 40, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 40, 51);  
box-shadow:4px 4px 4px 4px rgb(188, 40,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0954, 12.4480, 4.3701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 40, 51) }
```

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

```
.background{ background-color: rgb(188, 40,  
51) }
```

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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