

Converting Colors

XYZ(22.5958, 12.4203, 2.8487)

Have a look what the booklet for
XYZ(22.5958, 12.4203, 2.8487)
contains.

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Color

**XYZ(22.6005, 12.4216,
2.8755)**

Conversions

Conversions Part 1

Format	Color
Hex	C02124
RGB	192, 33, 36
RGB Percent	75%, 13%, 14%
CMY	0.2471, 0.8705, 0.8588
CMYK	0.00, 0.83, 0.81, 0.25
HSL	359°, 71%, 44%
HSV	359°, 83%, 75%
XYZ	22.6005, 12.4216, 2.8755
YIQ	80.8830, 93.8010, 34.6410

Conversions

Conversions Part 2

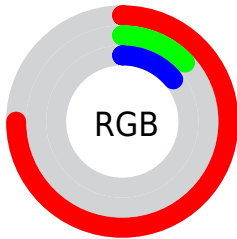
Format	Color
R_{YB}	192, 33, 36
Decimal	12591396
CIE Lab	41.88, 60.29, 40.23
CIE LCh	42, 72.478, 33.716
Yxy	12.4216, 0.5964, 0.3278
Android (android.graphics.Color)	4290781476 (0xFFC02124)
YUV	80.8830, -22.1273, 97.4496
Hunter-Lab	35.2443, 52.7861, 19.8337

Details

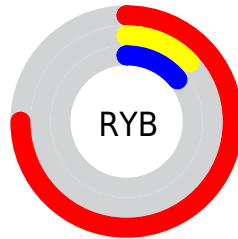
The XYZ color **22.6005, 12.4216, 2.8755** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **28.6641, 41.6973, 54.6904**, and the grayscale version is **7.8288, 8.2365, 8.9696**.

A 20% lighter version of the original color is **46.8552, 30.0536, 11.3140**, and **9.2059, 4.7458, 0.4308** is the 20% darker color. If you saturate the color by 10%, you get **21.9950, 11.5565, 1.6083**, and if you desaturate by 10%, it is **23.6614, 13.9560, 5.0411**.

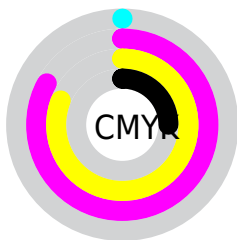
Distribution



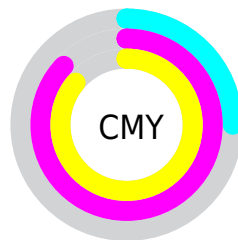
- Red (75%)
- Green (13%)
- Blue (14%)



- Red (75%)
- Yellow (13%)
- Blue (14%)



- Cyan (0%)
- Magenta (83%)
- Yellow (81%)
- Black (25%)



- Cyan (25%)
- Magenta (87%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6005, 12.4216, 2.8755 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 22.6005, 12.4216, 2.8755 by changing the saturation by 10% instead.

■ 22.6005, 12.4216,
2.8755

■ 22.6005, 12.4216,
2.8755

258.2402,
207.1768, 134.7588

■ 14.4179, 7.0315,
1.0314

■ 47.2080, 30.2607,
11.3197

■ 8.4955, 3.4818,
0.0000

■ 64.3636, 43.4784,
18.7568

■ 4.4681, 1.3881,
0.0000

■ 85.2409, 60.0742,
28.8954

■ 1.9702, 0.2080,
0.0000

■ 110.2052, 80.4323,
42.1540

■ 0.6171, 0.0000,
0.0000

■ 139.6220,
104.9373, 58.9510

■ 0.0000, 0.0000,
0.0000

■ 173.8565,

133.9734, 79.7052

213.2741,
167.9251, 104.8349

22.6005, 12.4216,
2.8755

22.6005, 12.4216,
2.8755

21.9950, 11.5565,
1.6083

23.6614, 13.9560,
5.0411

21.7577, 11.2142,
1.1213

25.2431, 16.2561,
8.2294

27.4009, 19.4049,
12.5460

30.1832, 23.4742,
18.0829

33.6330, 28.5282,
24.9228

■ 37.7897, 34.6252,
33.1412

■ 42.6895, 41.8191,
42.8079

■ 48.3663, 50.1600,
53.9877

■ 54.8518, 59.6951,
66.7418

Harmonies

Analogous

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



25.3393, 12.4216, 11.7033



22.6005, 12.4216, 2.8755



16.9742, 12.4216, 0.5047

Triad

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



22.6005, 12.4216, 2.8755



4.7748, 12.4216, 4.2224



12.4860, 12.4216, 69.3963

Complementary

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



22.6005, 12.4216, 2.8755



28.6641, 41.6973, 54.6904

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.



7.8109, 12.4216, 60.8902



22.6005, 12.4216, 2.8755



4.2272, 12.4216, 15.5265

Square

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



22.6005, 12.4216, 2.8755



6.9661, 12.4216, 0.8332



5.1489, 12.4216, 37.3644



18.4888, 12.4216, 55.8291

Rectangle

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



22.6005, 12.4216, 2.8755



12.9688, 12.4216, 0.0113



5.1489, 12.4216, 37.3644



10.7156, 12.4216, 69.0545

Sweetspot

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



22.6008, 12.4224, 2.8757



66.3908, 59.6834, 55.9363



30.4788, 15.4213, 51.2389



13.6646, 11.9555, 10.8566



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.



22.6008, 12.4224, 2.8757



39.4548, 20.3754, 2.0585



27.2922, 21.8752, 4.2239



10.0807, 10.0809, 10.5155



14.6440, 7.5474, 0.7715



0.6354, 0.3272, 0.0475

Inverse Universe

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



22.6008, 12.4224, 2.8757



39.4548, 20.3754, 2.0585



16.5978, 17.0409, 52.2831



10.0807, 10.0809, 10.5155



14.6440, 7.5474, 0.7715



0.6354, 0.3272, 0.0475

Previews

White Background



This preview shows how the XYZ color 22.6005, 12.4216, 2.8755 looks on a white background.

Color Contrast Check

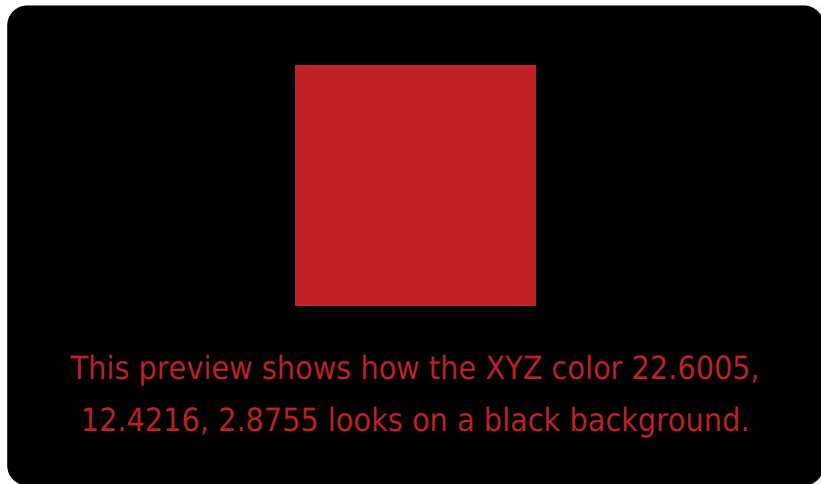
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6005, 12.4216, 2.8755

Background



This preview shows how black text looks on a background with the XYZ color 22.6005, 12.4216, 2.8755.



This preview shows how white text looks on a background with the XYZ color 22.6005, 12.4216,

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

22.6005, 12.4216, 2.8755

Protanopia

11.6534, 12.6957, 5.3263

Deuteranopia

12.8318, 12.6742, 2.4795



Tritanopia

22.5710, 12.4548, 2.5809

Trichromacy



Original Color

22.6005, 12.4216, 2.8755

Protanomaly

13.9127, 10.9496, 4.0695

Deuteranomaly

15.0815, 11.1933, 2.3429

Tritanomaly

22.5848, 12.4603, 2.6536

Monochromacy



Original Color

22.6005, 12.4216, 2.8755

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

10.6727, 8.1134, 6.0046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6005, 12.4216, 2.8755 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(192, 33, 36)` looks like.

```
.text, #text, p{  
    color:rgb(192, 33, 36)  
}
```

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(192, 33, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 33, 36) }
```

Border

The CSS property to change the border of an element to XYZ 22.6005, 12.4216, 2.8755 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(192, 33, 36) }
```


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

```
.border{ border-color:rgb(192, 33, 36) }
```

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

Here you see how a box with a 4 pixel rgb(192, 33, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 33, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 33, 36);  
box-shadow:4px 4px 4px 4px rgb(192, 33,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6005, 12.4216, 2.8755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 33, 36) }
```

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

```
.background{ background-color: rgb(192, 33,  
36) }
```

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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