

Converting Colors

XYZ(23.2957, 13.2366, 4.5341)

Have a look what the booklet for
XYZ(23.2957, 13.2366, 4.5341)
contains.

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Color

**XYZ(23.2219, 13.1822,
4.5693)**

Conversions

Conversions Part 1

Format	Color
Hex	C02B34
RGB	192, 43, 52
RGB Percent	75%, 17%, 20%
CMY	0.2471, 0.8313, 0.7961
CMYK	0.00, 0.78, 0.73, 0.25
HSL	356°, 63%, 46%
HSV	356°, 78%, 75%
XYZ	23.2219, 13.1822, 4.5693
YIQ	88.5770, 85.9150, 34.3870

Conversions

Conversions Part 2

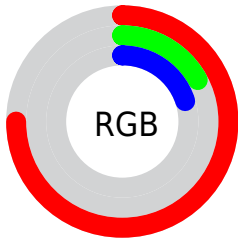
Format	Color
R _Y B	192, 43, 52
Decimal	12593972
CIE Lab	43.04, 58.11, 32.29
CIE LCh	43, 66.476, 29.057
Yxy	13.1822, 0.5668, 0.3217
Android (android.graphics.Color)	4290784052 (0xFFC02B34)
YUV	88.5770, -18.0325, 90.7020
Hunter-Lab	36.3073, 50.6296, 17.9534

Details

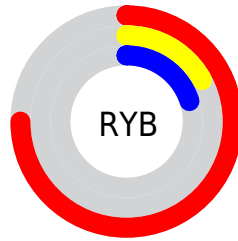
The XYZ color **23.2219, 13.1822, 4.5693** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **28.3947, 41.6321, 51.3454**, and the grayscale version is **9.4286, 9.9196, 10.8025**.

A 20% lighter version of the original color is **48.2435, 31.6636, 15.3734**, and **9.2552, 4.7655, 0.6905** is the 20% darker color. If you saturate the color by 10%, you get **22.3489, 11.9672, 2.6422**, and if you desaturate by 10%, it is **24.5791, 15.1175, 7.4239**.

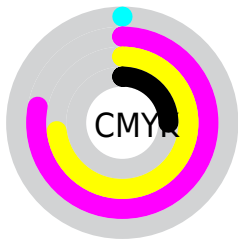
Distribution



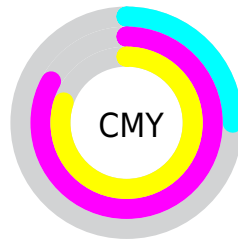
- Red (75%)
- Green (17%)
- Blue (20%)



- Red (75%)
- Yellow (17%)
- Blue (20%)



- Cyan (0%)
- Magenta (78%)
- Yellow (73%)
- Black (25%)





- Cyan (25%)
- Magenta (83%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2219, 13.1822, 4.5693 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 23.2219, 13.1822, 4.5693 by changing the saturation by 10% instead.


 23.2219, 13.1822,
4.5693


 23.2219, 13.1822,
4.5693


261.3768,
212.0821, 154.3573

 14.8790, 7.5541,
1.9426


 48.2214, 31.6307,
15.3028


 8.8203, 3.8110,
0.5196


 65.6088, 45.2200,
24.2467


 4.6803, 1.5684,
0.0000

 86.7417, 62.2317,
36.1333

 2.0938, 0.3362,
0.0000

 111.9855, 83.0504,
51.3813

 0.6858, 0.0000,
0.0000

 141.7055,
108.0604, 70.4091

 0.0000, 0.0000,
0.0000

 176.2672,

137.6461, 93.6354

216.0358,
172.1918, 121.4786

■ 23.2219, 13.1822,
4.5693

■ 23.2219, 13.1822,
4.5693

■ 22.3489, 11.9672,
2.6422

■ 24.5791, 15.1175,
7.4239

■ 21.8810, 11.3437,
1.5233

■ 26.4761, 17.8587,
11.3024

■ 21.8018, 11.2319,
1.3535

■ 28.9622, 21.4819,
16.2899

■ 32.0807, 26.0538,
22.4623

■ 35.8706, 31.6345,
29.8890

■ 40.3683, 38.2795,
38.6339

■ 45.6070, 46.0399,
48.7564

■ 51.6182, 54.9638,
60.3127

■ 58.4315, 65.0962,
73.3554

Harmonies

Analogous

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



25.1349, 13.1822, 14.8210



23.2219, 13.1822, 4.5693



18.2868, 13.1822, 1.2215

Triad

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



23.2219, 13.1822, 4.5693



5.8536, 13.1822, 4.2056



12.3684, 13.1822, 64.8282

Complementary

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



23.2219, 13.1822, 4.5693



28.3947, 41.6321, 51.3454

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.



8.1282, 13.1822, 54.5050



23.2219, 13.1822, 4.5693



5.0525, 13.1822, 13.8953

Square

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



23.2219, 13.1822, 4.5693



8.3398, 13.1822, 1.1341



5.7568, 13.1822, 32.8014



17.9289, 13.1822, 55.6394

Rectangle

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



23.2219, 13.1822, 4.5693



14.4873, 13.1822, 0.6246



5.7568, 13.1822, 32.8014



10.7562, 13.1822, 63.4513

Sweetspot

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



23.2222, 13.1830, 4.5695



68.2825, 62.1714, 60.5605



29.6858, 15.4876, 51.2934



14.0383, 12.4365, 11.8029



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.



23.2222, 13.1830, 4.5695



39.8508, 20.8235, 3.2510



27.4920, 22.0163, 5.0873



10.0973, 10.0875, 10.6029



14.6806, 7.5620, 0.9641



0.6430, 0.3302, 0.0873

Inverse Universe

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



23.2222, 13.1830, 4.5695



39.8508, 20.8235, 3.2510



18.1573, 19.6119, 52.6971



10.0973, 10.0875, 10.6029



14.6806, 7.5620, 0.9641



0.6430, 0.3302, 0.0873

Previews

White Background



This preview shows how the XYZ color 23.2219, 13.1822, 4.5693 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 23.2219, 13.1822, 4.5693

Background



This preview shows how black text looks on a background with the XYZ color 23.2219, 13.1822, 4.5693.



This preview shows how white text looks on a background with the XYZ color 23.2219, 13.1822,

4.5693.

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

23.2219, 13.1822, 4.5693

Protanopia

12.5755, 13.5479, 8.0831

Deuteranopia

13.5561, 13.4218, 4.1617



Tritanopia

23.1126, 13.1973, 3.8118

Trichromacy



Original Color

23.2219, 13.1822, 4.5693

Protanomaly

14.7118, 11.8420, 6.5114

Deuteranomaly

15.9800, 12.2253, 4.1023

Tritanomaly

23.1724, 13.2212, 4.1269

Monochromacy



Original Color

23.2219, 13.1822, 4.5693

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

12.2261, 9.5922, 8.0446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2219, 13.1822, 4.5693 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, 43, 52)` looks like.

```
.text, #text, p{  
    color:rgb(192, 43, 52)  
}
```

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, 43, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 43, 52) }
```

Border

The CSS property to change the border of an element to XYZ 23.2219, 13.1822, 4.5693 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, 43, 52) }
```


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

```
.border{ border-color:rgb(192, 43, 52) }
```

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

Here you see how a box with a 4 pixel rgb(192, 43, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 43, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 43, 52);  
box-shadow:4px 4px 4px 4px rgb(192, 43,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2219, 13.1822, 4.5693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 43, 52) }
```

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

```
.background{ background-color: rgb(192, 43,  
52) }
```

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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