

Converting Colors

XYZ(24.2541, 18.0142, 5.9660)

Have a look what the booklet for
XYZ(24.2541, 18.0142, 5.9660)
contains.

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Color

**XYZ(24.2221, 17.9580,
5.9310)**

Conversions

Conversions Part 1

Format	Color
Hex	B85B38
RGB	184, 91, 56
RGB Percent	72%, 36%, 22%
CMY	0.2784, 0.6431, 0.7804
CMYK	0.00, 0.51, 0.70, 0.28
HSL	16°, 53%, 47%
HSV	16°, 70%, 72%
XYZ	24.2221, 17.9580, 5.9310
YIQ	114.8170, 66.6630, 8.8310

Conversions

Conversions Part 2

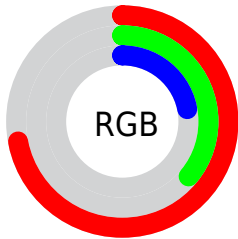
Format	Color
RYB	184, 104, 56
Decimal	12081976
CIELab	49.45, 34.91, 37.02
CIElCh	49, 50.886, 46.681
Yxy	17.9580, 0.5035, 0.3733
Android (android.graphics.Color)	4290272056 (0xFFB85B38)
YUV	114.8170, -28.9968, 60.6735
Hunter-Lab	42.3769, 27.8688, 21.3657

Details

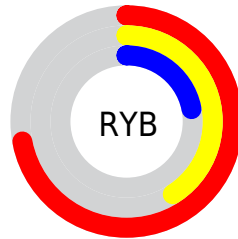
The XYZ color **24.2221, 17.9580, 5.9310** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **21.0294, 25.7950, 49.2179**, and the grayscale version is **16.3116, 17.1611, 18.6885**.

A 20% lighter version of the original color is **49.9773, 40.0569, 18.1944**, and **9.3052, 5.9678, 0.9486** is the 20% darker color. If you saturate the color by 10%, you get **22.8093, 15.7251, 3.6332**, and if you desaturate by 10%, it is **26.0047, 20.6662, 9.1681**.

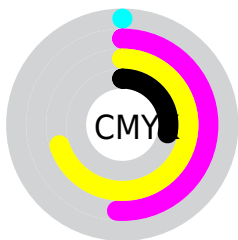
Distribution



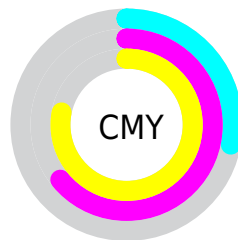
- Red (72%)
- Green (36%)
- Blue (22%)



- Red (72%)
- Yellow (41%)
- Blue (22%)



- Cyan (0%)
- Magenta (51%)
- Yellow (70%)
- Black (28%)





- Cyan (28%)
- Magenta (64%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2221, 17.9580, 5.9310 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 24.2221, 17.9580, 5.9310 by changing the saturation by 10% instead.


 24.2221, 17.9580,
5.9310


 24.2221, 17.9580,
5.9310


266.3611,
240.6342, 167.7384


 15.6241, 10.9198,
2.7351


 49.8444, 39.9657,
18.2627


 9.3477, 6.0130,
0.9610


 67.5995, 55.7041,
28.2355

 5.0276, 2.8530,
0.0000

 89.1375, 75.1114,
41.3044

 2.2984, 1.0555,
0.0000

 114.8240, 98.5718,
57.8879

 0.7938, 0.0000,
0.0000

 145.0243,
126.4700, 78.4045

 0.0000, 0.0000,
0.0000

 180.1036,

159.1901, 103.2727

220.4275,
197.1168, 132.9112

■ 24.2221, 17.9580,
5.9310

■ 24.2221, 17.9580,
5.9310

■ 22.8093, 15.7251,
3.6332

■ 26.0047, 20.6662,
9.1681

■ 21.7350, 13.9353,
2.1694

■ 28.1822, 23.8732,
13.4325

■ 20.9510, 12.5511,
1.3414

■ 30.7785, 27.6046,
18.8031

■ 20.9214, 12.4989,
1.3098

■ 33.8154, 31.8829,
25.3508

■ 37.3131, 36.7297,
33.1404

■ 41.2903, 42.1650,
42.2321

■ 45.7647, 48.2080,
52.6820

■ 50.7533, 54.8771,
64.5431

■ 56.2719, 62.1897,
77.8653

Harmonies

Analogous

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



27.5336, 17.9580, 12.9003



24.2221, 17.9580, 5.9310



19.2860, 17.9580, 3.4553

Triad

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



24.2221, 17.9580, 5.9310



9.5656, 17.9580, 14.0704



19.8596, 17.9580, 57.4166

Complementary

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



24.2221, 17.9580, 5.9310



21.0294, 25.7950, 49.2179

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.



15.0279, 17.9580, 58.2445



24.2221, 17.9580, 5.9310



9.6613, 17.9580, 28.1721

Square

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



24.2221, 17.9580, 5.9310



11.1917, 17.9580, 6.4405



11.4835, 17.9580, 45.8050



24.7094, 17.9580, 43.8959

Rectangle

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



24.2221, 17.9580, 5.9310



16.0162, 17.9580, 3.2905



11.4835, 17.9580, 45.8050



18.1659, 17.9580, 59.3524

Sweetspot

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



24.2225, 17.9590, 5.9313



66.4446, 64.9355, 57.3828



26.6757, 15.2165, 30.3291



13.9409, 13.4692, 11.5128



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



24.2225, 17.9590, 5.9313



40.3356, 26.8438, 5.1304



32.0586, 33.6312, 8.5433



9.1992, 9.4013, 9.4367



14.4706, 8.7175, 0.9200



0.5635, 0.4141, 0.0502

Inverse Universe

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



21.0294, 25.7950, 49.2179



33.9983, 41.5601, 88.4346



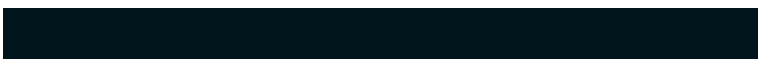
13.5999, 10.9359, 46.7413



9.0534, 9.7840, 11.4908



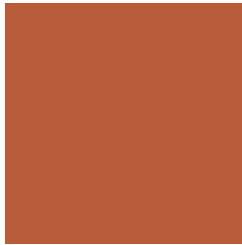
11.8691, 14.1978, 33.3680



0.4671, 0.5979, 1.1925

Previews

White Background



This preview shows how the XYZ color 24.2221, 17.9580, 5.9310 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



This preview shows how the XYZ color 24.2221, 17.9580, 5.9310 looks on a black 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

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

XYZ 24.2221, 17.9580, 5.9310

Background



This preview shows how black text looks on a background with the XYZ color 24.2221, 17.9580, 5.9310.



This preview shows how white text looks on a background with the XYZ color 24.2221, 17.9580,

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

24.2221, 17.9580, 5.9310

Protanopia

16.6385, 18.0843, 7.6147

Deuteranopia

18.2458, 17.9383, 5.6328



Tritanopia

25.6337, 18.0458, 12.4881

Trichromacy



Original Color

24.2221, 17.9580, 5.9310

Protanomaly

18.8097, 17.5570, 6.9549

Deuteranomaly

20.0901, 17.6313, 5.7125

Tritanomaly

24.9453, 17.8729, 9.7245

Monochromacy



Original Color

24.2221, 17.9580, 5.9310

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.9896, 16.6917, 12.8633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2221, 17.9580, 5.9310 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(184, 91, 56)` looks like.

```
.text, #text, p{  
    color:rgb(184, 91, 56)  
}
```

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(184, 91, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 91, 56) }
```

Border

The CSS property to change the border of an element to XYZ 24.2221, 17.9580, 5.9310 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(184, 91, 56) }
```


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

```
.border{ border-color:rgb(184, 91, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 91, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 91, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 91, 56);  
box-shadow:4px 4px 4px 4px rgb(184, 91,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2221, 17.9580, 5.9310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 91, 56) }
```

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

```
.background{ background-color: rgb(184, 91,  
56) }
```

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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