

Converting Colors

XYZ(24.4089, 17.9237, 11.8460)

Have a look what the booklet for
XYZ(24.4089, 17.9237, 11.8460)
contains.

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Color

**XYZ(24.4089, 17.9237,
11.8460)**

Conversions

Conversions Part 1

Format	Color
Hex	B45B5A
RGB	180, 91, 90
RGB Percent	71%, 36%, 35%
CMY	0.2941, 0.6431, 0.6471
CMYK	0.00, 0.49, 0.50, 0.29
HSL	1°, 37%, 53%
HSV	1°, 50%, 71%
XYZ	24.4089, 17.9237, 11.8460
YIQ	117.4970, 53.3650, 18.5570

Conversions

Conversions Part 2

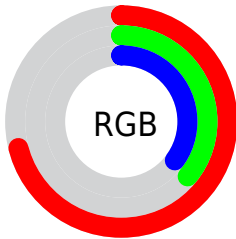
Format	Color
R_{YB}	180, 91, 90
Decimal	11819866
CIE Lab	49.40, 35.90, 17.29
CIE LCh	49, 39.848, 25.711
Yxy	17.9237, 0.4505, 0.3308
Android (android.graphics.Color)	4290009946 (0xFFB45B5A)
YUV	117.4970, -13.5560, 54.8151
Hunter-Lab	42.3364, 28.8249, 13.0457

Details

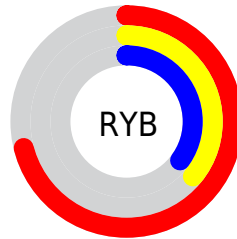
The XYZ color **24.4089, 17.9237, 11.8460** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **28.5736, 37.7068, 48.9518**, and the grayscale version is **17.0927, 17.9828, 19.5833**.

A 20% lighter version of the original color is **50.1527, 39.8891, 29.8670**, and **9.4159, 5.9787, 3.0406** is the 20% darker color. If you saturate the color by 10%, you get **22.3882, 14.9635, 7.8393**, and if you desaturate by 10%, it is **26.9769, 21.6817, 16.9507**.

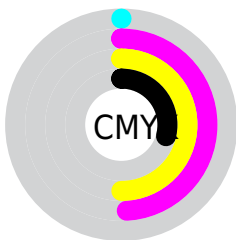
Distribution



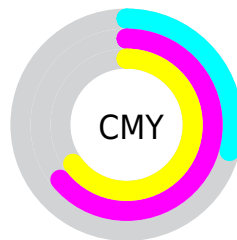
- Red (71%)
- Green (36%)
- Blue (35%)



- Red (71%)
- Yellow (36%)
- Blue (35%)



- Cyan (0%)
- Magenta (49%)
- Yellow (50%)
- Black (29%)





- Cyan (29%)
- Magenta (64%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.4089, 17.9237, 11.8460 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 24.4089, 17.9237, 11.8460 by changing the saturation by 10% instead.


 24.4089, 17.9237,
11.8460


 24.4089, 17.9237,
11.8460


267.2835,
240.4406, 214.3247


 15.7636, 10.8952,
6.5176


 50.1465, 39.9073,
29.8745


 9.4468, 5.9964,
3.0885


 67.9695, 55.6312,
43.4117


 5.0932, 2.8429,
1.1400

 89.5824, 75.0223,
60.5223

 2.3374, 1.0503,
0.0000

 115.3506, 98.4651,
81.6248

 0.8137, 0.0000,
0.0000

 145.6395,
126.3439, 107.1378

 0.0000, 0.0000,
0.0000

180.8144,

159.0432, 137.4797

221.2406,
196.9473, 173.0692

■ 24.4089, 17.9237,
11.8460

■ 24.4089, 17.9237,
11.8460

■ 22.3882, 14.9635,
7.8393

■ 26.9769, 21.6817,
16.9507

■ 20.8738, 12.7409,
4.8492

■ 30.1265, 26.2862,
23.2248

■ 19.8214, 11.1920,
2.7847

■ 33.8907, 31.7856,
30.7348


■ 19.1783, 10.2406,
1.5381

■ 38.2998, 38.2236,
39.5420


■ 18.8441, 9.7469,
0.8882


■ 43.3819, 45.6412,
49.7035

 18.8441, 9.7469,
0.8881

 49.1636, 54.0770,
61.2730

 55.6700, 63.5672,
74.3016

 62.9250, 74.1467,
88.8374

 70.9514, 85.8484,
104.9265

Harmonies

Analogous

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



25.3029, 17.9237, 21.1045



24.4089, 17.9237, 11.8460



21.4385, 17.9237, 6.9273

Triad

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



24.4089, 17.9237, 11.8460



11.7373, 17.9237, 10.0266



16.5013, 17.9237, 48.2711

Complementary

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



24.4089, 17.9237, 11.8460



28.5736, 37.7068, 48.9518

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.



13.2816, 17.9237, 42.0856



24.4089, 17.9237, 11.8460



10.7998, 17.9237, 18.0090

Square

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



24.4089, 17.9237, 11.8460



14.0902, 17.9237, 6.1802



11.3208, 17.9237, 29.9377



20.3660, 17.9237, 44.7216

Rectangle

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



24.4089, 17.9237, 11.8460



18.8819, 17.9237, 5.5487



11.3208, 17.9237, 29.9377



15.3144, 17.9237, 47.2142

Sweetspot

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



24.4093, 17.9246, 11.8463



65.0942, 62.9541, 63.0033



30.7166, 20.3110, 45.4811



13.7179, 13.0936, 12.9156



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



24.4093, 17.9246, 11.8463



40.2717, 26.6583, 13.5751



29.3317, 27.7694, 13.4871



8.5037, 8.5200, 8.8488



13.1554, 6.8094, 0.6210



0.4164, 0.2193, 0.0204

Inverse Universe

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



28.5736, 37.7068, 48.9518



48.6841, 66.6398, 88.5915



21.1187, 22.7969, 46.4669



8.7344, 9.6149, 10.9018



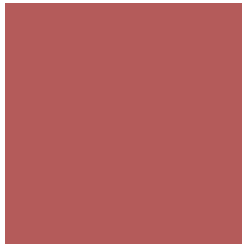
16.8633, 24.5269, 33.9824



0.5332, 0.7769, 1.0701

Previews

White Background



This preview shows how the XYZ color 24.4089, 17.9237, 11.8460 looks on a white background.

Color Contrast Check

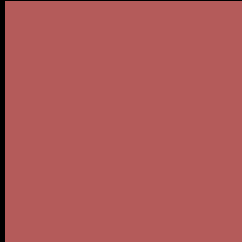
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4089, 17.9237, 11.8460 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 24.4089, 17.9237, 11.8460

Background



This preview shows how black text looks on a background with the XYZ color 24.4089, 17.9237, 11.8460.

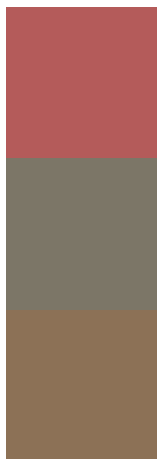


This preview shows how white text looks on a background with the XYZ color 24.4089, 17.9237,

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

24.4089, 17.9237, 11.8460

Protanopia

17.2388, 18.2212, 15.4404

Deuteranopia

18.4001, 18.0576, 11.3198



Tritanopia

24.5899, 17.8602, 13.2177

Trichromacy



Original Color

24.4089, 17.9237, 11.8460

Protanomaly

19.0688, 17.5363, 13.9351

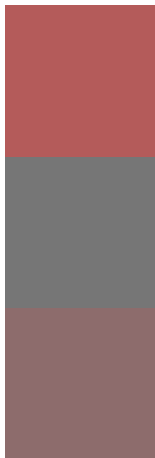
Deuteranomaly

20.2894, 17.7598, 11.3754

Tritanomaly

24.4989, 17.8238, 12.7388

Monochromacy



Original Color

24.4089, 17.9237, 11.8460

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

19.0538, 17.4706, 16.5553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4089, 17.9237, 11.8460 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(180, 91, 90)` looks like.

```
.text, #text, p{  
    color:rgb(180, 91, 90)  
}
```

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(180, 91, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 91, 90) }
```

Border

The CSS property to change the border of an element to XYZ 24.4089, 17.9237, 11.8460 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(180, 91, 90) }
```


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

```
.border{ border-color:rgb(180, 91, 90) }
```

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

Here you see how a box with a 4 pixel rgb(180, 91, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 91, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 91, 90);  
box-shadow:4px 4px 4px 4px rgb(180, 91,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4089, 17.9237, 11.8460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 91, 90) }
```

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

```
.background{ background-color: rgb(180, 91,  
90) }
```

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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