

Converting Colors

XYZ(23.4699, 17.1591, 11.4604)

Have a look what the booklet for
XYZ(23.4699, 17.1591, 11.4604)
contains.

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Color

**XYZ(23.5070, 17.2131,
11.5347)**

Conversions

Conversions Part 1

Format	Color
Hex	B15959
RGB	177, 89, 89
RGB Percent	69%, 35%, 35%
CMY	0.3059, 0.6510, 0.6510
CMYK	0.00, 0.50, 0.50, 0.31
HSL	0°, 36%, 52%
HSV	0°, 50%, 69%
XYZ	23.5070, 17.2131, 11.5347
YIQ	115.3120, 52.4480, 18.6560

Conversions

Conversions Part 2

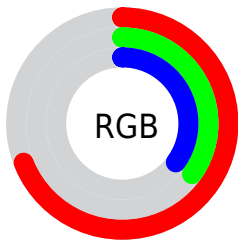
Format	Color
R_{YB}	177, 89, 89
Decimal	11622745
CIE Lab	48.53, 35.72, 16.62
CIE LCh	49, 39.393, 24.956
Yxy	17.2131, 0.4499, 0.3294
Android (android.graphics.Color)	4289812825 (0xFFB15959)
YUV	115.3120, -12.9718, 54.1004
Hunter-Lab	41.4887, 28.5308, 12.5582

Details

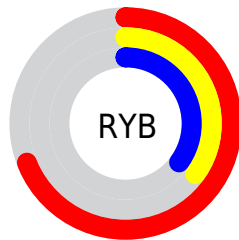
The XYZ color **23.5070, 17.2131, 11.5347** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **27.7769, 36.7406, 47.2225**, and the grayscale version is **16.4179, 17.2729, 18.8102**.

A 20% lighter version of the original color is **48.7771, 38.7467, 29.3341**, and **8.9259, 5.6260, 2.9983** is the 20% darker color. If you saturate the color by 10%, you get **21.5512, 14.3514, 7.6462**, and if you desaturate by 10%, it is **25.9965, 20.8562, 16.4830**.

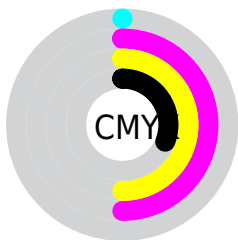
Distribution



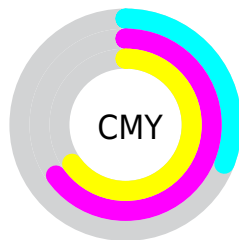
- Red (69%)
- Green (35%)
- Blue (35%)



- Red (69%)
- Yellow (35%)
- Blue (35%)



- Cyan (0%)
- Magenta (50%)
- Yellow (50%)
- Black (31%)





- Cyan (31%)
- Magenta (65%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.5070, 17.2131, 11.5347 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 23.5070, 17.2131, 11.5347 by changing the saturation by 10% instead.


 23.5070, 17.2131,
11.5347


 23.5070, 17.2131,
11.5347


262.8054,
236.3974, 212.1675


 15.0911, 10.3865,
6.3090


 48.6850, 38.6918,
29.2964


 8.9701, 5.6560,
2.9621


 66.1779, 54.1127,
42.6695


 4.7786, 2.6371,
1.0753

 87.4270, 73.1673,
59.5954

 2.1514, 0.9453,
0.0000

 112.7979, 96.2398,
80.4928

 0.7169, 0.0000,
0.0000

 142.6558,
123.7146, 105.7802

 0.0000, 0.0000,
0.0000

177.3661,

155.9763, 135.8761

217.2942,
193.4091, 171.1990

■ 23.5070, 17.2131,
11.5347

■ 23.5070, 17.2131,
11.5347

■ 21.5512, 14.3514,
7.6462

■ 25.9965, 20.8562,
16.4830

■ 20.0889, 12.2116,
4.7393

■ 29.0532, 25.3291,
22.5596

■ 19.0764, 10.7300,
2.7268


■ 32.7097, 30.6796,
29.8286


■ 18.4620, 9.8308,
1.5054


■ 36.9956, 36.9510,
38.3487


■ 18.1397, 9.3593,
0.8648


■ 41.9384, 44.1838,
48.1750

 18.1315, 9.3473,
0.8486

 47.5643, 52.4161,
59.3592

 53.8978, 61.6837,
71.9501

 60.9623, 72.0210,
85.9943

 68.7801, 83.4606,
101.5360

Harmonies

Analogous

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



24.3081, 17.2131, 20.5477



23.5070, 17.2131, 11.5347



20.6856, 17.2131, 6.7112

Triad

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



23.5070, 17.2131, 11.5347



11.3037, 17.2131, 9.4771



15.7569, 17.2131, 46.3910

Complementary

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



23.5070, 17.2131, 11.5347



27.7769, 36.7406, 47.2225

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.



12.6847, 17.2131, 40.2232



23.5070, 17.2131, 11.5347



10.3669, 17.2131, 17.0456

Square

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



23.5070, 17.2131, 11.5347



13.5993, 17.2131, 5.8666



10.8327, 17.2131, 28.4593



19.4723, 17.2131, 43.2066

Rectangle

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



23.5070, 17.2131, 11.5347



18.2321, 17.2131, 5.3408



10.8327, 17.2131, 28.4593



14.6217, 17.2131, 45.2922

Sweetspot

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



23.5074, 17.2140, 11.5350



61.8640, 59.7485, 59.9463



29.6396, 19.6663, 43.8287



13.0733, 12.4603, 12.3281



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.5074, 17.2140, 11.5350



38.2064, 25.1305, 12.9164



28.3222, 26.8435, 13.1399



8.4964, 8.5053, 8.8464



13.1370, 6.7725, 0.6148



0.4134, 0.2131, 0.0193

Inverse Universe

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



27.7769, 36.7406, 47.2225



46.7624, 64.2620, 84.4345



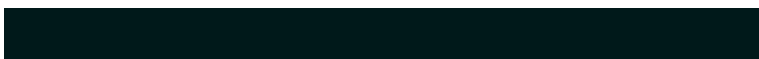
20.4433, 22.0733, 44.7780



8.7426, 9.6315, 10.9046



17.1397, 25.0798, 34.0745



0.5393, 0.7891, 1.0721

Previews

White Background



This preview shows how the XYZ color 23.5070, 17.2131, 11.5347 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 23.5070, 17.2131, 11.5347

Background



This preview shows how black text looks on a background with the XYZ color 23.5070, 17.2131, 11.5347.

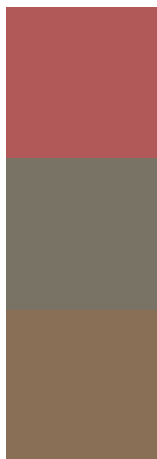


This preview shows how white text looks on a background with the XYZ color 23.5070, 17.2131,

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

23.5070, 17.2131, 11.5347

Protanopia

16.4142, 17.2857, 15.0417

Deuteranopia

17.6407, 17.3431, 11.0121



Tritanopia

23.6416, 17.1347, 12.6510

Trichromacy



Original Color

23.5070, 17.2131, 11.5347

Protanomaly

18.2962, 16.8339, 13.5942

Deuteranomaly

19.4789, 17.0478, 11.0680

Tritanomaly

23.5530, 17.0993, 12.1843

Monochromacy



Original Color

23.5070, 17.2131, 11.5347

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

18.2368, 16.7519, 15.9079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5070, 17.2131, 11.5347 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(177, 89, 89)` looks like.

```
.text, #text, p{  
    color:rgb(177, 89, 89)  
}
```

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(177, 89, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 89, 89) }
```

Border

The CSS property to change the border of an element to XYZ 23.5070, 17.2131, 11.5347 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(177, 89, 89) }
```


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

```
.border{ border-color:rgb(177, 89, 89) }
```

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

Here you see how a box with a 4 pixel rgb(177, 89, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 89, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 89, 89);  
box-shadow:4px 4px 4px 4px rgb(177, 89,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5070, 17.2131, 11.5347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 89, 89) }
```

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

```
.background{ background-color: rgb(177, 89,  
89) }
```

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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