

Converting Colors

XYZ(23.6169, 16.6205, 10.8093)

Have a look what the booklet for
XYZ(23.6169, 16.6205, 10.8093)
contains.

XYZ(23.5954, 16.5617, 10.7572)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.5954, 16.5617,
10.7572)**

Conversions

Conversions Part 1

Format	Color
Hex	B45356
RGB	180, 83, 86
RGB Percent	71%, 33%, 34%
CMY	0.2941, 0.6745, 0.6627
CMYK	0.00, 0.54, 0.52, 0.29
HSL	358°, 39%, 52%
HSV	358°, 54%, 71%
XYZ	23.5954, 16.5617, 10.7572
YIQ	112.3450, 56.8490, 21.4970

Conversions

Conversions Part 2

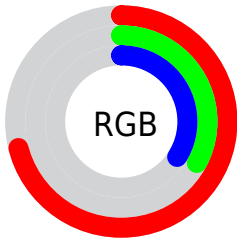
Format	Color
R _Y B	180, 83, 86
Decimal	11817814
CIE Lab	47.70, 39.66, 17.38
CIE LCh	48, 43.301, 23.657
Yxy	16.5617, 0.4634, 0.3253
Android (android.graphics.Color)	4290007894 (0xFFB45356)
YUV	112.3450, -12.9881, 59.3334
Hunter-Lab	40.6961, 32.2754, 12.8151

Details

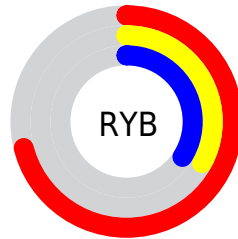
The XYZ color **23.5954, 16.5617, 10.7572** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **27.8253, 37.6563, 47.3995**, and the grayscale version is **15.5283, 16.3370, 17.7910**.

A 20% lighter version of the original color is **48.7045, 37.4562, 27.9553**, and **9.0586, 5.3510, 2.6532** is the 20% darker color. If you saturate the color by 10%, you get **21.7735, 13.9087, 7.0954**, and if you desaturate by 10%, it is **25.9472, 20.0000, 15.4422**.

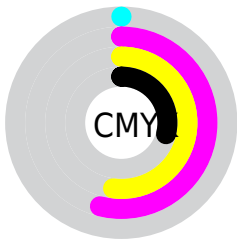
Distribution



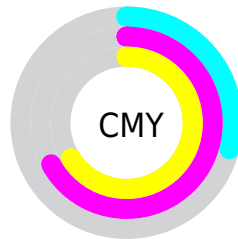
- Red (71%)
- Green (33%)
- Blue (34%)



- Red (71%)
- Yellow (33%)
- Blue (34%)



- Cyan (0%)
- Magenta (54%)
- Yellow (52%)
- Black (29%)





- Cyan (29%)
- Magenta (67%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5954, 16.5617, 10.7572 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 23.5954, 16.5617, 10.7572 by changing the saturation by 10% instead.


 23.5954, 16.5617,
10.7572


 23.5954, 16.5617,
10.7572


263.2471,
232.6338, 206.6714


 15.1569, 9.9225,
5.7917


 48.8286, 37.5706,
27.8401


 9.0166, 5.3476,
2.6521


 66.3541, 52.7091,
40.7945


 4.8092, 2.4526,
0.9192

 87.6391, 71.4496,
57.2490

 2.1694, 0.8528,
0.0000

 113.0493, 94.1762,
77.6221

 0.7265, 0.0000,
0.0000

 142.9498,
121.2736, 102.3324

 0.0000, 0.0000,
0.0000

177.7060,

153.1261, 131.7983

217.6833,
190.1180, 166.4385

■ 23.5954, 16.5617,
10.7572

■ 23.5954, 16.5617,
10.7572

■ 21.7735, 13.9087,
7.0954

■ 25.9472, 20.0000,
15.4422

■ 20.4391, 11.9768,
4.3794

■ 28.8643, 24.2761,
21.2179

■ 19.5458, 10.6959,
2.5227

■ 32.3805, 29.4409,
28.1475

■ 19.0373, 9.9809,
1.4221

■ 36.5266, 35.5407,
36.2887

■ 18.8528, 9.7155,
1.0412

■ 41.3313, 42.6183,
45.6955

■ 46.8217, 50.7143,
56.4187

■ 53.0230, 59.8665,
68.5063

■ 59.9594, 70.1111,
82.0039

■ 67.6539, 81.4825,
96.9548

Harmonies

Analogous

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



24.3636, 16.5617, 20.4932



23.5954, 16.5617, 10.7572



20.5799, 16.5617, 5.7315

Triad

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



23.5954, 16.5617, 10.7572



10.4725, 16.5617, 8.1166



14.9329, 16.5617, 48.6208

Complementary

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



23.5954, 16.5617, 10.7572



27.8253, 37.6563, 47.3995

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.



11.7277, 16.5617, 41.2451



23.5954, 16.5617, 10.7572



9.4393, 16.5617, 15.7778

Square

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



23.5954, 16.5617, 10.7572



12.9382, 16.5617, 4.7026



9.8580, 16.5617, 28.0163



18.9227, 16.5617, 45.4721

Rectangle

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



23.5954, 16.5617, 10.7572



17.9312, 16.5617, 4.3329



9.8580, 16.5617, 28.0163



13.7375, 16.5617, 47.2181

Sweetspot

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



23.5958, 16.5626, 10.7575



64.3286, 61.6432, 62.0689



29.4103, 18.8024, 45.2591



13.5675, 12.8285, 12.7554



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.



23.5958, 16.5626, 10.7575



38.8675, 24.3305, 11.6257



28.1383, 25.8367, 11.6887



8.5066, 8.5094, 8.9004



13.1628, 6.7827, 0.7511



0.4177, 0.2148, 0.0421

Inverse Universe

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



23.5958, 16.5626, 10.7575



38.8675, 24.3305, 11.6257



20.4332, 22.3889, 46.4245



8.5066, 8.5094, 8.9004



13.1628, 6.7827, 0.7511



0.4177, 0.2148, 0.0421

Previews

White Background



This preview shows how the XYZ color 23.5954, 16.5617, 10.7572 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 23.5954, 16.5617, 10.7572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

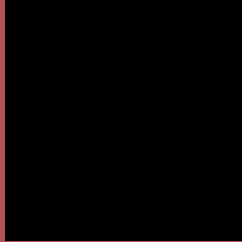
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.5954, 16.5617, 10.7572

Background



This preview shows how black text looks on a background with the XYZ color 23.5954, 16.5617, 10.7572.

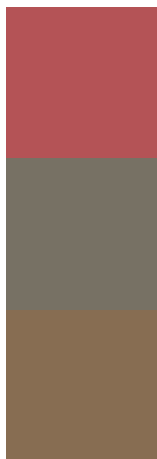


This preview shows how white text looks on a background with the XYZ color 23.5954, 16.5617,

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

23.5954, 16.5617, 10.7572

Protanopia

15.8131, 16.6523, 14.4374

Deuteranopia

16.9833, 16.6974, 10.3104



Tritanopia

23.6771, 16.5944, 11.1876

Trichromacy



Original Color

23.5954, 16.5617, 10.7572

Protanomaly

17.8014, 15.9917, 12.9749

Deuteranomaly

18.8810, 16.3182, 10.3382

Tritanomaly

23.6359, 16.5779, 10.9709

Monochromacy



Original Color

23.5954, 16.5617, 10.7572

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

17.4184, 15.6050, 14.9260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5954, 16.5617, 10.7572 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, 83, 86)` looks like.

```
.text, #text, p{  
    color:rgb(180, 83, 86)  
}
```

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, 83, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 83, 86) }
```

Border

The CSS property to change the border of an element to XYZ 23.5954, 16.5617, 10.7572 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, 83, 86) }
```


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

```
.border{ border-color:rgb(180, 83, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 83, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 83, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 83, 86);  
box-shadow:4px 4px 4px 4px rgb(180, 83,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5954, 16.5617, 10.7572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 83, 86) }
```

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

```
.background{ background-color: rgb(180, 83,  
86) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor