

Converting Colors

XYZ(23.6907, 16.6106, 12.2504)

Have a look what the booklet for
XYZ(23.6907, 16.6106, 12.2504)
contains.

XYZ(23.6594, 16.5605, 12.3054)	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(23.6594, 16.5605,
12.3054)**

Conversions

Conversions Part 1

Format	Color
Hex	B3535D
RGB	179, 83, 93
RGB Percent	70%, 33%, 36%
CMY	0.2980, 0.6745, 0.6353
CMYK	0.00, 0.54, 0.48, 0.30
HSL	354°, 39%, 51%
HSV	354°, 54%, 70%
XYZ	23.6594, 16.5605, 12.3054
YIQ	112.8440, 54.0060, 23.4620

Conversions

Conversions Part 2

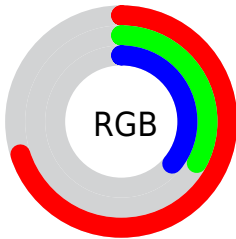
Format	Color
R_{YB}	179, 83, 93
Decimal	11752285
CIE _{Lab}	47.70, 39.95, 13.13
CIE _{LCh}	48, 42.056, 18.198
Yxy	16.5605, 0.4504, 0.3153
Android (android.graphics.Color)	4289942365 (0xFFB3535D)
YUV	112.8440, -9.7831, 58.0188
Hunter-Lab	40.6946, 32.5624, 10.5579

Details

The XYZ color **23.6594, 16.5605, 12.3054** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **26.8497, 36.9441, 43.2543**, and the grayscale version is **15.6672, 16.4831, 17.9501**.

A 20% lighter version of the original color is **48.8818, 37.4883, 30.6462**, and **9.0291, 5.3228, 3.2408** is the 20% darker color. If you saturate the color by 10%, you get **21.8250, 13.9117, 8.5495**, and if you desaturate by 10%, it is **25.9971, 19.9776, 16.9642**.

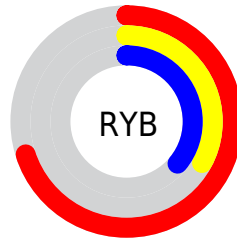
Distribution



Red (70%)

Green (33%)

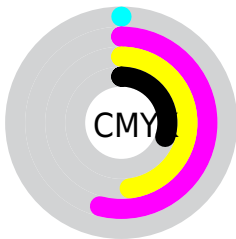
Blue (36%)



Red (70%)

Yellow (33%)

Blue (36%)

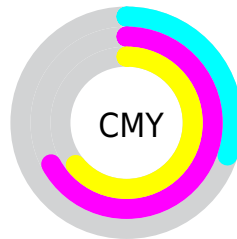


Cyan (0%)

Magenta (54%)

Yellow (48%)

Black (30%)



Cyan (30%)


Magenta (67%)


Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6594, 16.5605, 12.3054 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 23.6594, 16.5605, 12.3054 by changing the saturation by 10% instead.


 23.6594, 16.5605,
12.3054


 23.6594, 16.5605,
12.3054


263.5665,
232.6268, 217.4659


 15.2045, 9.9216,
6.8270


 48.9325, 37.5686,
30.7228


 9.0503, 5.3470,
3.2773


 66.4815, 52.7066,
44.4988


 4.8314, 2.4523,
1.2379

 87.7926, 71.4464,
61.8778

 2.1824, 0.8526,
0.0101

 113.2311, 94.1724,
83.2783

 0.7334, 0.0000,
0.0000

 143.1624,
121.2691, 109.1188

 0.0000, 0.0000,
0.0000

177.9518,

153.1208, 139.8179

217.9647,
190.1119, 175.7941

■ 23.6594, 16.5605,
12.3054

■ 23.6594, 16.5605,
12.3054

■ 21.8250, 13.9117,
8.5495

■ 25.9971, 19.9776,
16.9642

■ 20.4555, 11.9693,
5.6369

■ 28.8704, 24.2136,
22.5786

■ 19.5088, 10.6661,
3.5022

■ 32.3100, 29.3177,
29.1979

■ 18.9347, 9.9204,
2.0699

■ 36.3444, 35.3346,
36.8681

■ 18.7048, 9.6295,
1.4728

■ 40.9997, 42.3057,
45.6323

■ 46.3007, 50.2701,
55.5310

■ 52.2709, 59.2646,
66.6028

■ 58.9325, 69.3241,
78.8845

■ 66.3066, 80.4820,
92.4111

Harmonies

Analogous

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



23.9345, 16.5605, 22.6087



23.6594, 16.5605, 12.3054



21.0702, 16.5605, 6.5787

Triad

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



23.6594, 16.5605, 12.3054



10.9408, 16.5605, 7.4488



14.3068, 16.5605, 46.8568

Complementary

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



23.6594, 16.5605, 12.3054



26.8497, 36.9441, 43.2543

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.



11.3947, 16.5605, 38.2997



23.6594, 16.5605, 12.3054



9.6689, 16.5605, 14.1181

Square

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



23.6594, 16.5605, 12.3054



13.5878, 16.5605, 4.6439



9.8206, 16.5605, 25.3049



18.1088, 16.5605, 45.7353

Rectangle

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



23.6594, 16.5605, 12.3054



18.5822, 16.5605, 4.8267



9.8206, 16.5605, 25.3049



13.2040, 16.5605, 44.9116

Sweetspot

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



23.6598, 16.5614, 12.3057



63.0767, 60.2731, 62.2131



27.3363, 17.7450, 44.6320



13.6431, 12.8588, 13.1539



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.



23.6598, 16.5614, 12.3057



38.6817, 24.3342, 14.4628



26.8447, 23.5940, 11.3240



8.5311, 8.5192, 9.0294



13.2299, 6.8095, 1.1046



0.4279, 0.2189, 0.0959

Inverse Universe

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



23.6598, 16.5614, 12.3057



38.6817, 24.3342, 14.4628



21.4075, 24.5001, 46.2483



8.5311, 8.5192, 9.0294



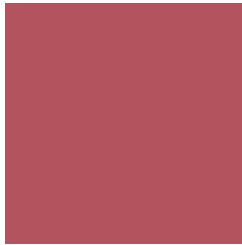
13.2299, 6.8095, 1.1046



0.4279, 0.2189, 0.0959

Previews

White Background



This preview shows how the XYZ color 23.6594, 16.5605, 12.3054 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 23.6594, 16.5605, 12.3054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

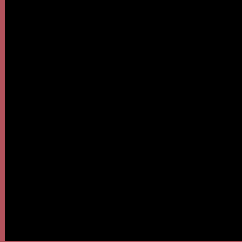
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.6594, 16.5605, 12.3054

Background



This preview shows how black text looks on a background with the XYZ color 23.6594, 16.5605, 12.3054.



This preview shows how white text looks on a background with the XYZ color 23.6594, 16.5605,

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

23.6594, 16.5605, 12.3054

Protanopia

15.9480, 16.6749, 16.5654

Deuteranopia

16.9447, 16.6451, 11.7709



Tritanopia

23.5639, 16.6456, 11.4222

Trichromacy



Original Color

23.6594, 16.5605, 12.3054

Protanomaly

18.0148, 16.0575, 14.9819

Deuteranomaly

18.9803, 16.3366, 11.8258

Tritanomaly

23.6062, 16.6625, 11.6449

Monochromacy



Original Color

23.6594, 16.5605, 12.3054

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.6694, 15.8617, 15.7660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6594, 16.5605, 12.3054 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(179, 83, 93)` looks like.

```
.text, #text, p{  
    color:rgb(179, 83, 93)  
}
```

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(179, 83, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 83, 93) }
```

Border

The CSS property to change the border of an element to XYZ 23.6594, 16.5605, 12.3054 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(179, 83, 93) }
```


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

```
.border{ border-color:rgb(179, 83, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 83, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 83, 93); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 83, 93); box-shadow:4px 4px 4px 4px rgb(179, 83, 93) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6594, 16.5605, 12.3054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 83, 93) }
```

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

```
.background{ background-color: rgb(179, 83,  
93) }
```

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