

Converting Colors

XYZ(18.4375, 11.4380, 22.9960)

Have a look what the booklet for
XYZ(18.4375, 11.4380, 22.9960)
contains.

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Color

**XYZ(18.3584, 11.3817,
23.0591)**

Conversions

Conversions Part 1

Format	Color
Hex	963C84
RGB	150, 60, 132
RGB Percent	59%, 24%, 52%
CMY	0.4118, 0.7647, 0.4824
CMYK	0.00, 0.60, 0.12, 0.41
HSL	312°, 43%, 41%
HSV	312°, 60%, 59%
XYZ	18.3584, 11.3817, 23.0591
YIQ	95.1180, 30.5280, 41.4720

Conversions

Conversions Part 2

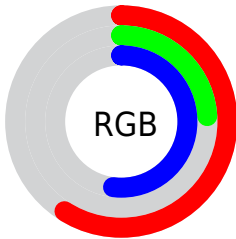
Format	Color
R_{YB}	150, 60, 132
Decimal	9845892
CIE _{Lab}	40.22, 46.71, -22.29
CIE _{LCh}	40, 51.759, 334.493
Yxy	11.3817, 0.3477, 0.2156
Android (android.graphics.Color)	4288035972 (0xFF963C84)
YUV	95.1180, 18.1828, 48.1315
Hunter-Lab	33.7368, 38.0942, -16.9090

Details

The XYZ color **18.3584, 11.3817, 23.0591** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **14.1455, 23.3238, 10.9650**, and the grayscale version is **10.8586, 11.4241, 12.4409**.

A 20% lighter version of the original color is **40.0047, 28.2129, 49.2361**, and **6.3469, 3.0960, 8.2457** is the 20% darker color. If you saturate the color by 10%, you get **17.4788, 9.9462, 21.7675**, and if you desaturate by 10%, it is **19.4674, 13.2662, 24.4565**.

Distribution



Red (59%)

Green (24%)

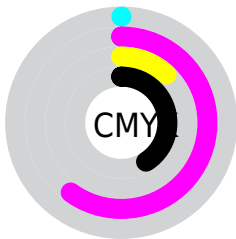
Blue (52%)



Red (59%)

Yellow (24%)

Blue (52%)

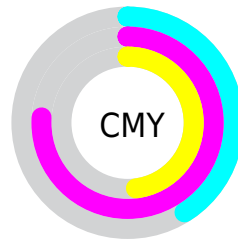


Cyan (0%)

Magenta (60%)

Yellow (12%)

Black (41%)



Cyan (41%)

Magenta (76%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3584, 11.3817, 23.0591 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 18.3584, 11.3817, 23.0591 by changing the saturation by 10% instead.

18.3584, 11.3817,
23.0591

18.3584, 11.3817,
23.0591

235.8902,
200.2678, 281.1601

11.3088, 6.3242,
14.4314

40.1724, 28.3639,
49.4148

6.3438, 3.0432,
8.2792

55.6676, 41.0573,
67.9799

3.0979, 1.1543,
4.1838

74.7086, 57.0648,
90.6945

1.2057, 0.0239,
1.7267

97.6610, 76.7709,
117.9773

0.1109, 0.0000,
0.3789

124.8900,
100.5598, 150.2467

0.0000, 0.0000,
0.0000

156.7609,

128.8160, 187.9213

193.6392,
161.9239, 231.4196

■ 18.3584, 11.3817,
23.0591

■ 18.3584, 11.3817,
23.0591

■ 17.4788, 9.9462,
21.7675

■ 19.4674, 13.2662,
24.4565

■ 16.8081, 8.9192,
20.5744

■ 20.8219, 15.6322,
25.9649

■ 16.3238, 8.2559,
19.4720

■ 22.4376, 18.5113,
27.5901

■ 15.9680, 7.8402,
18.4409

■ 24.3290, 21.9318,
29.3370

■ 15.9679, 7.8401,
18.4406

■ 26.5090, 25.9200,
31.2102

■ 28.9901, 30.5004,
33.2140

■ 31.7837, 35.6961,
35.3526

■ 34.9010, 41.5290,
37.6297

■ 38.3522, 48.0199,
40.0492

Harmonies

Analogous

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



15.2378, 11.3817, 37.0151



18.3584, 11.3817, 23.0591



19.3053, 11.3817, 10.9017

Triad

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



18.3584, 11.3817, 23.0591



10.2840, 11.3817, 1.2672



6.0512, 11.3817, 27.3789

Complementary

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



18.3584, 11.3817, 23.0591



14.1455, 23.3238, 10.9650

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.



5.2741, 11.3817, 14.0139



18.3584, 11.3817, 23.0591



7.3479, 11.3817, 2.1748

Square

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



18.3584, 11.3817, 23.0591



14.0862, 11.3817, 1.7228



5.6900, 11.3817, 5.6585



8.0989, 11.3817, 40.3352

Rectangle

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



18.3584, 11.3817, 23.0591



18.4323, 11.3817, 5.8496



5.6900, 11.3817, 5.6585



5.6562, 11.3817, 22.5805

Sweetspot

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



18.3588, 11.3822, 23.0593



43.5312, 39.7906, 52.3003



10.2634, 7.0541, 29.6751



9.4346, 8.4312, 11.4018



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



18.3588, 11.3822, 23.0593



30.4013, 16.8550, 37.6751



15.9143, 10.4045, 10.1870



5.9861, 5.8895, 7.0330



13.2548, 6.5070, 15.3545



0.1724, 0.0837, 0.2414

Inverse Universe

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



18.3588, 11.3822, 23.0593



30.4013, 16.8550, 37.6751



16.3455, 24.2038, 22.5498



5.9861, 5.8895, 7.0330



13.2548, 6.5070, 15.3545



0.1724, 0.0837, 0.2414

Previews

White Background



This preview shows how the XYZ color 18.3584, 11.3817, 23.0591 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

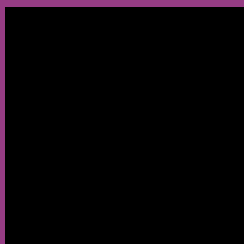
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.3584, 11.3817, 23.0591

Background



This preview shows how black text looks on a background with the XYZ color 18.3584, 11.3817, 23.0591.



This preview shows how white text looks on a background with the XYZ color 18.3584, 11.3817,

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

18.3584, 11.3817, 23.0591

Protanopia

12.5563, 11.5608, 34.3706

Deuteranopia

11.8580, 11.6124, 21.6951



Tritanopia

15.3617, 11.3914, 8.7862

Trichromacy



Original Color

18.3584, 11.3817, 23.0591

Protanomaly

13.4042, 10.6515, 29.7832

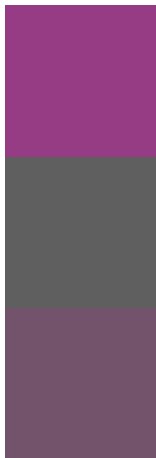
Deuteranomaly

13.5353, 10.9991, 22.1785

Tritanomaly

16.1868, 11.2491, 12.8734

Monochromacy



Original Color

18.3584, 11.3817, 23.0591

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

12.7943, 10.7621, 15.5903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3584, 11.3817, 23.0591 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(150, 60, 132)` looks like.

```
.text, #text, p{  
  color:rgb(150, 60, 132)  
}
```

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(150, 60, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 60, 132) }
```

Border

The CSS property to change the border of an element to XYZ 18.3584, 11.3817, 23.0591 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(150, 60, 132) }
```


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

```
.border{ border-color:rgb(150, 60, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 60, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 60, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 60, 132);  
box-shadow:4px 4px 4px 4px rgb(150, 60,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3584, 11.3817, 23.0591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 60, 132) }
```

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

```
.background{ background-color: rgb(150, 60,  
132) }
```

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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