

Converting Colors

XYZ(18.5029, 18.3773, 40.3757)

Have a look what the booklet for
XYZ(18.5029, 18.3773, 40.3757)
contains.

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Color

**XYZ(18.5580, 18.3459,
40.5932)**

Conversions

Conversions Part 1

Format	Color
Hex	6076AA
RGB	96, 118, 170
RGB Percent	38%, 46%, 67%
CMY	0.6235, 0.5372, 0.3333
CMYK	0.44, 0.31, 0.00, 0.33
HSL	222°, 30%, 52%
HSV	222°, 44%, 67%
XYZ	18.5580, 18.3459, 40.5932
YIQ	117.3500, -29.8040, 11.5080

Conversions

Conversions Part 2

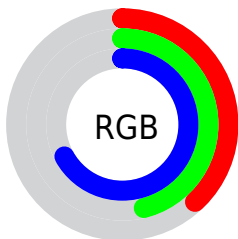
Format	Color
R_{YB}	96, 113, 170
Decimal	6321834
CIE _{Lab}	49.91, 5.96, -30.30
CIE _{LCh}	50, 30.882, 281.129
Yxy	18.3459, 0.2395, 0.2367
Android (android.graphics.Color)	4284511914 (0xFF6076AA)
YUV	117.3500, 25.9565, -18.7239
Hunter-Lab	42.8321, 2.3830, -26.2083

Details

The XYZ color **18.5580, 18.3459, 40.5932** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.2795, 30.5713, 15.4248**, and the grayscale version is **16.9462, 17.8287, 19.4154**.

A 20% lighter version of the original color is **40.4966, 40.6300, 77.6595**, and **6.4564, 6.2019, 17.9963** is the 20% darker color. If you saturate the color by 10%, you get **15.6403, 14.8842, 40.0792**, and if you desaturate by 10%, it is **22.0420, 22.3647, 41.1856**.

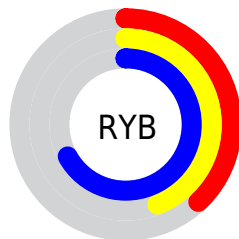
Distribution



Red (38%)

Green (46%)

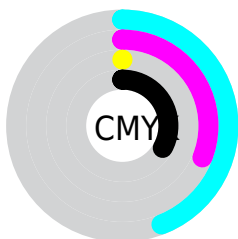
Blue (67%)



Red (38%)

Yellow (44%)

Blue (67%)

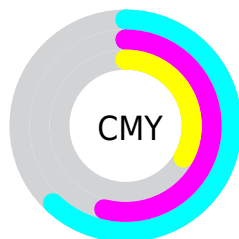


Cyan (44%)

Magenta (31%)

Yellow (0%)

Black (33%)



Cyan (62%)

Magenta (54%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5580, 18.3459, 40.5932 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 18.5580, 18.3459, 40.5932 by changing the saturation by 10% instead.

■ 18.5580, 18.3459,
40.5932

■ 18.5580, 18.3459,
40.5932

236.9829,
242.8135, 364.2437

■ 11.4534, 11.1986,
27.6841

■ 40.5085, 40.6259,
77.3129

■ 6.4422, 6.2006,
17.8507

■ 56.0853, 56.5273,
101.9606

■ 3.1590, 2.9674,
10.6745

■ 75.2167, 76.1156,
131.3581

■ 1.2384, 1.1148,
5.7370

■ 98.2683, 99.7751,
165.9242

■ 0.1364, 0.0000,
2.6196

125.6054,
127.8903, 206.0772

■ 0.0000, 0.0000,
0.9026

157.5932,

■ 0.0000, 0.0000,

160.8455, 252.2358

0.0000

194.5973,
199.0251, 304.8184

■ 18.5580, 18.3459,
40.5932

■ 18.5580, 18.3459,
40.5932

■ 15.6403, 14.8842,
40.0792

■ 22.0420, 22.3647,
41.1856

■ 13.2550, 11.9514,
39.6388

■ 26.1195, 26.9629,
41.8583

■ 11.3677, 9.5195,
39.2688

■ 30.8183, 32.1642,
42.6146

■ 9.9385, 7.5567,
38.9653

■ 36.1638, 37.9901,
43.4573

■ 8.9206, 6.0270,
38.7237

■ 42.1800, 44.4611,
44.3893

■ 8.4195, 5.2298,
38.5962

■ 48.8895, 51.5966,
45.4129

■ 56.3140, 59.4154,
46.5308

■ 64.4740, 67.9352,
47.7452

■ 73.3895, 77.1735,
49.0585

Harmonies

Analogous

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



15.6620, 18.3459, 39.6871



18.5580, 18.3459, 40.5932



21.4512, 18.3459, 34.9237

Triad

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



18.5580, 18.3459, 40.5932



22.0804, 18.3459, 11.0646



12.5911, 18.3459, 15.1579

Complementary

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



18.5580, 18.3459, 40.5932



29.2795, 30.5713, 15.4248

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.



13.9581, 18.3459, 10.0488



18.5580, 18.3459, 40.5932



19.3417, 18.3459, 8.1888

Square

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



18.5580, 18.3459, 40.5932



23.6327, 18.3459, 16.9942



16.3625, 18.3459, 7.8788



12.4319, 18.3459, 23.2867

Rectangle

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



18.5580, 18.3459, 40.5932



22.9057, 18.3459, 28.9152



16.3625, 18.3459, 7.8788



12.9167, 18.3459, 13.0993

Sweetspot

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



18.5586, 18.3466, 40.5936



56.1824, 58.6504, 77.3614



24.5287, 33.3685, 33.0827



12.0948, 12.6020, 17.1827



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.5586, 18.3466, 40.5936



28.6597, 27.3460, 72.7697



17.9697, 14.6354, 39.9084



7.3068, 7.6506, 9.5099



6.2369, 3.9340, 28.4061



0.1957, 0.1836, 0.7058

Inverse Universe

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



24.0310, 18.2206, 19.3904



40.0744, 27.8315, 28.3748



30.0426, 36.5828, 16.5450



7.6195, 7.5776, 8.3133



12.6487, 6.4682, 2.9616



0.3299, 0.1662, 0.1889

Previews

White Background



This preview shows how the XYZ color 18.5580, 18.3459, 40.5932 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 18.5580, 18.3459, 40.5932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

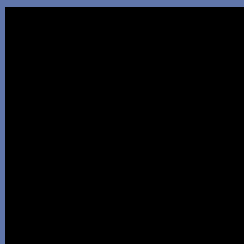
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

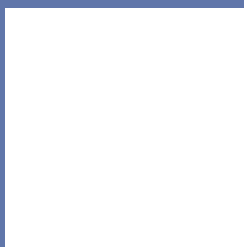
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.5580, 18.3459, 40.5932

Background



This preview shows how black text looks on a background with the XYZ color 18.5580, 18.3459, 40.5932.

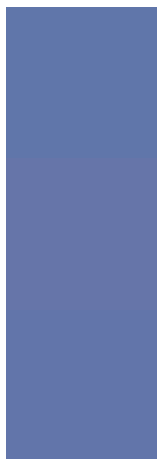


This preview shows how white text looks on a background with the XYZ color 18.5580, 18.3459,

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

18.5580, 18.3459, 40.5932

Protanopia

19.0022, 18.4119, 40.0885

Deuteranopia

18.6540, 18.2215, 40.5641



Tritanopia

15.5445, 18.3949, 25.6530

Trichromacy



Original Color

18.5580, 18.3459, 40.5932

Protanomaly

18.7783, 18.2965, 40.0780

Deuteranomaly

18.5468, 18.1662, 40.5591

Tritanomaly

16.5213, 18.2308, 30.6651

Monochromacy



Original Color

18.5580, 18.3459, 40.5932

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.1119, 17.7514, 25.8170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5580, 18.3459, 40.5932 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(96, 118, 170)` looks like.

```
.text, #text, p{  
    color:rgb(96, 118, 170)  
}
```

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(96, 118, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 118, 170) }
```

Border

The CSS property to change the border of an element to XYZ 18.5580, 18.3459, 40.5932 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(96, 118, 170) }
```


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

```
.border{ border-color:rgb(96, 118, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 118, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 118, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 118, 170);  
box-shadow:4px 4px 4px 4px rgb(96, 118,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5580, 18.3459, 40.5932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 118, 170) }
```

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

```
.background{ background-color: rgb(96, 118,  
170) }
```

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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