

Converting Colors

XYZ(18.7325, 19.6208, 40.8085)

Have a look what the booklet for
XYZ(18.7325, 19.6208, 40.8085)
contains.

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Color

**XYZ(18.8058, 19.7432,
40.8499)**

Conversions

Conversions Part 1

Format	Color
Hex	5A7DAA
RGB	90, 125, 170
RGB Percent	35%, 49%, 67%
CMY	0.6470, 0.5098, 0.3333
CMYK	0.47, 0.26, 0.00, 0.33
HSL	214°, 32%, 51%
HSV	214°, 47%, 67%
XYZ	18.8058, 19.7432, 40.8499
YIQ	119.6650, -35.3050, 6.5750

Conversions

Conversions Part 2

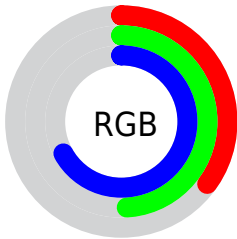
Format	Color
R_{YB}	90, 114, 170
Decimal	5930410
CIE _{Lab}	51.55, 0.21, -27.79
CIE _{LCh}	52, 27.790, 270.431
Yxy	19.7432, 0.2369, 0.2487
Android (android.graphics.Color)	4284120490 (0xFF5A7DAA)
YUV	119.6650, 24.8152, -26.0162
Hunter-Lab	44.4333, -2.2106, -23.4051

Details

The XYZ color **18.8058, 19.7432, 40.8499** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **27.0877, 26.6130, 13.3829**, and the grayscale version is **17.6778, 18.5985, 20.2537**.

A 20% lighter version of the original color is **40.8143, 42.8098, 77.3461**, and **6.5476, 6.8342, 18.1136** is the 20% darker color. If you saturate the color by 10%, you get **16.1847, 16.6809, 40.3973**, and if you desaturate by 10%, it is **21.9230, 23.2351, 41.3600**.

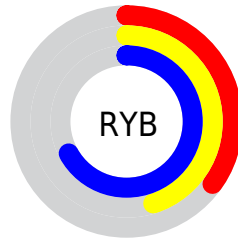
Distribution



Red (35%)

Green (49%)

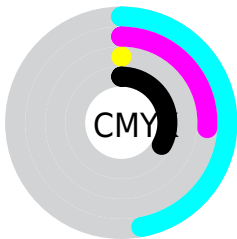
Blue (67%)



Red (35%)

Yellow (45%)

Blue (67%)

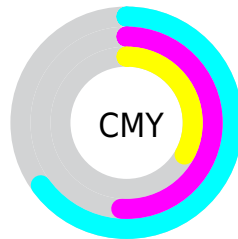


Cyan (47%)

Magenta (26%)

Yellow (0%)

Black (33%)



Cyan (65%)

Magenta (51%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8058, 19.7432, 40.8499 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 18.8058, 19.7432, 40.8499 by changing the saturation by 10% instead.

■ 18.8058, 19.7432,
40.8499

■ 18.8058, 19.7432,
40.8499

238.3333,
250.5215, 365.3509

■ 11.6332, 12.2085,
27.8830

■ 40.9251, 42.9862,
77.7072

■ 6.5649, 6.8858,
17.9992

■ 56.6025, 59.4633,
102.4346

■ 3.2354, 3.3908,
10.7800

■ 75.8456, 79.6901,
131.9194

■ 1.2794, 1.3390,
5.8068

■ 99.0197, 104.0508,
166.5799

■ 0.1677, 0.1711,
2.6611

126.4902,
132.9299, 206.8348

■ 0.0000, 0.0000,
0.9237

158.6223,

■ 0.0000, 0.0000,

166.7118, 253.1026

0.0000

195.7816,
205.7809, 305.8018

■ 18.8058, 19.7432,
40.8499

■ 18.8058, 19.7432,
40.8499

■ 16.1847, 16.6809,
40.3973

■ 21.9230, 23.2351,
41.3600

■ 14.0282, 14.0259,
39.9985

■ 25.5611, 27.1728,
41.9283

■ 12.3042, 11.7569,
39.6514

■ 29.7455, 31.5744,
42.5573

■ 10.9748, 9.8492,
39.3533

■ 34.4992, 36.4560,
43.2490

■ 9.9855, 8.2688,
39.1004

■ 39.8441, 41.8331,
44.0052

■ 9.7296, 7.8500,
39.0330

■ 45.8005, 47.7202,
44.8276

■ 52.3881, 54.1314,
45.7179

■ 59.6253, 61.0800,
46.6777

■ 67.5301, 68.5790,
47.7085

Harmonies

Analogous

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



16.2366, 19.7432, 37.8522



18.8058, 19.7432, 40.8499



21.6207, 19.7432, 37.6835

Triad

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



18.8058, 19.7432, 40.8499



23.7903, 19.7432, 14.6064



14.4689, 19.7432, 14.7621

Complementary

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



18.8058, 19.7432, 40.8499



27.0877, 26.6130, 13.3829

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.



16.1731, 19.7432, 10.7707



18.8058, 19.7432, 40.8499



21.5438, 19.7432, 10.6978

Square

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



18.8058, 19.7432, 40.8499



24.6678, 19.7432, 21.3813



18.7249, 19.7432, 9.4882



13.8886, 19.7432, 21.6130

Rectangle

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



18.8058, 19.7432, 40.8499



23.2198, 19.7432, 32.8656



18.7249, 19.7432, 9.4882



14.9204, 19.7432, 13.1086

Sweetspot

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



18.8065, 19.7439, 40.8504



56.2811, 59.6814, 77.5552



22.8949, 32.6449, 27.6495



12.1623, 12.9071, 17.2380



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.



18.8065, 19.7439, 40.8504



29.3830, 30.2868, 73.2992



15.5287, 12.5952, 39.6433



7.3917, 7.8204, 9.5382



7.2108, 5.8818, 28.7307



0.2267, 0.2457, 0.7161

Inverse Universe

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



23.9360, 17.3398, 21.4881



40.0747, 26.4351, 32.6818



31.9466, 37.5951, 15.2465



7.6623, 7.5948, 8.5390



13.1403, 6.6648, 5.5503



0.3456, 0.1725, 0.2714

Previews

White Background



This preview shows how the XYZ color 18.8058, 19.7432, 40.8499 looks on a white background.

Color Contrast Check

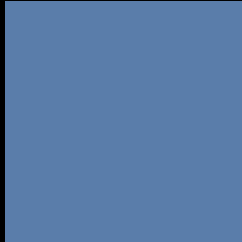
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 18.8058, 19.7432, 40.8499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

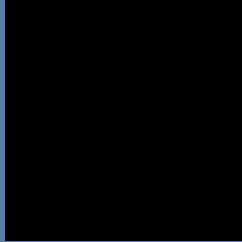
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

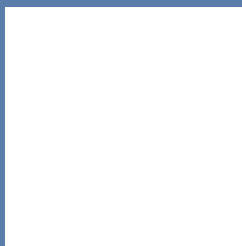
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8058, 19.7432, 40.8499

Background



This preview shows how black text looks on a background with the XYZ color 18.8058, 19.7432, 40.8499.

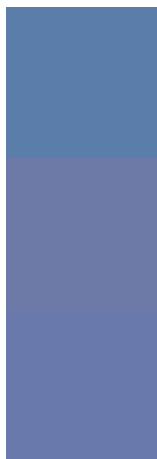


This preview shows how white text looks on a background with the XYZ color 18.8058, 19.7432,

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

18.8058, 19.7432, 40.8499

Protanopia

20.1191, 19.7160, 39.3044

Deuteranopia

20.1319, 19.6792, 41.2655



Tritanopia

16.1837, 19.6377, 28.1368

Trichromacy



Original Color

18.8058, 19.7432, 40.8499

Protanomaly

19.5069, 19.5710, 39.7952

Deuteranomaly

19.5657, 19.5687, 41.2740

Tritanomaly

17.0428, 19.5902, 32.5888

Monochromacy



Original Color

18.8058, 19.7432, 40.8499

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.8537, 19.0053, 26.7721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8058, 19.7432, 40.8499 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(90, 125, 170)` looks like.

```
.text, #text, p{  
    color:rgb(90, 125, 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(90, 125, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 125, 170) }
```

Border

The CSS property to change the border of an element to XYZ 18.8058, 19.7432, 40.8499 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(90, 125, 170) }
```


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

```
.border{ border-color:rgb(90, 125, 170) }
```

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

Here you see how a box with a 4 pixel rgb(90, 125, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 125, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 125, 170);  
box-shadow:4px 4px 4px 4px rgb(90, 125,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8058, 19.7432, 40.8499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 125, 170) }
```

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

```
.background{ background-color: rgb(90, 125,  
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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