

Converting Colors

XYZ(18.8593, 20.3608, 41.3895)

Have a look what the booklet for
XYZ(18.8593, 20.3608, 41.3895)
contains.

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Color

**XYZ(18.8162, 20.3099,
41.4566)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 5580AB |
| RGB | 85, 128, 171 |
| RGB Percent | 33%, 50%, 67% |
| CMY | 0.6666, 0.4980, 0.3294 |
| CMYK | 0.50, 0.25, 0.00, 0.33 |
| HSL | 210°, 34%, 50% |
| HSV | 210°, 50%, 67% |
| XYZ | 18.8162, 20.3099, 41.4566 |
| YIQ | 120.0450, -39.4310, 4.2570 |

Conversions

Conversions Part 2

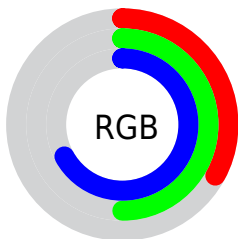
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 85, 114, 171 |
| Decimal | 5603499 |
| CIE Lab | 52.19, -2.50, -27.40 |
| CIE LCh | 52, 27.509, 264.793 |
| Yxy | 20.3099, 0.2335, 0.2520 |
| Android (android.graphics.Color) | 4283793579 (0xFF5580AB) |
| YUV | 120.0450, 25.1208, -30.7345 |
| Hunter-Lab | 45.0665, -4.3389, -22.9942 |

Details

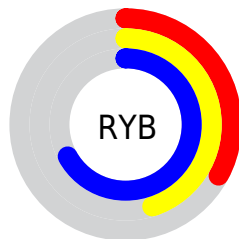
The XYZ color **18.8162, 20.3099, 41.4566** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **26.1542, 24.7532, 11.9946**, and the grayscale version is **17.7989, 18.7258, 20.3924**.

A 20% lighter version of the original color is **41.0365, 44.0828, 79.0190**, and **6.5778, 7.1569, 18.4875** is the 20% darker color. If you saturate the color by 10%, you get **16.3787, 17.4672, 41.0368**, and if you desaturate by 10%, it is **21.7242, 23.5354, 41.9263**.

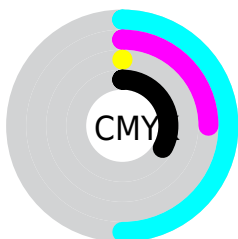
Distribution



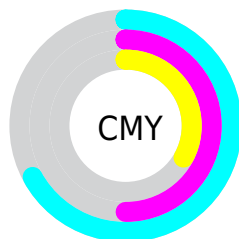
- Red (33%)
- Green (50%)
- Blue (67%)



- Red (33%)
- Yellow (45%)
- Blue (67%)



- Cyan (50%)
- Magenta (25%)
- Yellow (0%)
- Black (33%)



- Cyan (67%)
- Magenta (50%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8162, 20.3099, 41.4566 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 18.8162, 20.3099, 41.4566 by changing the saturation by 10% instead.

■ 18.8162, 20.3099,
41.4566

■ 18.8162, 20.3099,
41.4566

238.3898,
253.5879, 367.9584

■ 11.6408, 12.6205,
28.3536

■ 40.9426, 43.9361,
78.6377

■ 6.5700, 7.1678,
18.3511

■ 56.6242, 60.6418,
103.5530

■ 3.2386, 3.5672,
11.0303

■ 75.8720, 81.1216,
133.2428

■ 1.2812, 1.4346,
5.9728

■ 99.0512, 105.7601,
168.1256

■ 0.1691, 0.2420,
2.7600

126.5272,
134.9416, 208.6201

■ 0.0000, 0.0000,
0.9734

158.6654,

■ 0.0000, 0.0000,

169.0504, 255.1446

0.0000

195.8312,
208.4711, 308.1179

■ 18.8162, 20.3099,
41.4566

■ 18.8162, 20.3099,
41.4566

■ 16.3787, 17.4672,
41.0368

■ 21.7242, 23.5354,
41.9263

■ 14.3799, 14.9864,
40.6633

■ 25.1277, 27.1588,
42.4463

■ 12.7867, 12.8473,
40.3344

■ 29.0520, 31.1967,
43.0189

■ 11.5600, 11.0259,
40.0474

■ 33.5202, 35.6642,
43.6457

■ 10.6387, 9.5162,
39.8046

■ 38.5539, 40.5753,
44.3283

■ 44.1735, 45.9434,
45.0683

■ 50.3982, 51.7813,
45.8670

■ 57.2463, 58.1012,
46.7260

■ 64.7356, 64.9150,
47.6464

Harmonies

Analogous

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



16.3445, 20.3099, 37.3781



18.8162, 20.3099, 41.4566



21.6674, 20.3099, 39.4130

Triad

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



18.8162, 20.3099, 41.4566



24.6549, 20.3099, 16.2220



15.2050, 20.3099, 14.3171

Complementary

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



18.8162, 20.3099, 41.4566



26.1542, 24.7532, 11.9946

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.



17.1189, 20.3099, 10.8027



18.8162, 20.3099, 41.4566



22.6007, 20.3099, 11.7003

Square

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



18.8162, 20.3099, 41.4566



25.2210, 20.3099, 23.5530



19.8001, 20.3099, 9.9769



14.3933, 20.3099, 20.7349

Rectangle

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



18.8162, 20.3099, 41.4566



23.3804, 20.3099, 35.0614



19.8001, 20.3099, 9.9769



15.7312, 20.3099, 12.8255

Sweetspot

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



18.8169, 20.3106, 41.4571



55.9269, 59.7938, 77.5956



22.2062, 32.6162, 25.5481



12.1112, 12.9726, 17.2533



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.



18.8169, 20.3106, 41.4571



29.0299, 30.9175, 73.4395



14.3463, 11.3695, 39.9669



7.8973, 8.3940, 10.1567



8.0726, 7.2791, 30.0240



0.2793, 0.3120, 0.8535

Inverse Universe

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



23.9400, 16.7143, 22.3871



39.5702, 24.9839, 33.8767



32.9977, 38.4401, 14.2758



8.1660, 8.0796, 9.1848



13.9383, 7.0379, 7.3206



0.4154, 0.2068, 0.3492

Previews

White Background



This preview shows how the XYZ color 18.8162, 20.3099, 41.4566 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 18.8162, 20.3099, 41.4566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

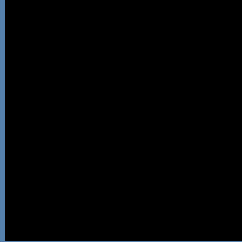
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.8162, 20.3099, 41.4566

Background



This preview shows how black text looks on a background with the XYZ color 18.8162, 20.3099, 41.4566.

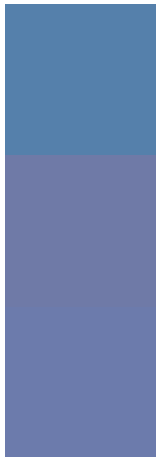


This preview shows how white text looks on a background with the XYZ color 18.8162, 20.3099,

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

18.8162, 20.3099, 41.4566

Protanopia

20.4901, 20.0886, 39.3568

Deuteranopia

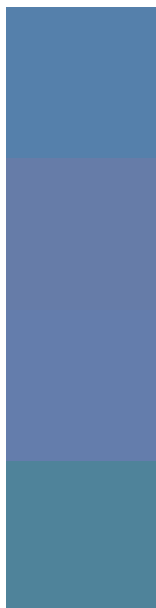
20.7137, 20.3326, 41.8626



Tritanopia

16.4021, 20.3252, 29.4442

Trichromacy



Original Color

18.8162, 20.3099, 41.4566

Protanomaly

19.7550, 20.0672, 39.8780

Deuteranomaly

20.0355, 20.3551, 41.9027

Tritanomaly

17.1735, 20.2280, 33.5711

Monochromacy



Original Color

18.8162, 20.3099, 41.4566

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.8066, 19.1558, 27.1850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8162, 20.3099, 41.4566 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(85, 128, 171)` looks like.

```
.text, #text, p{  
  color:rgb(85, 128, 171)  
}
```

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(85, 128, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 128, 171) }
```

Border

The CSS property to change the border of an element to XYZ 18.8162, 20.3099, 41.4566 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(85, 128, 171) }
```


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

```
.border{ border-color:rgb(85, 128, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 128, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 128, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 128, 171);  
box-shadow:4px 4px 4px 4px rgb(85, 128,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8162, 20.3099, 41.4566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 128, 171) }
```

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

```
.background{ background-color: rgb(85, 128,  
171) }
```

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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