

Converting Colors

XYZ(18.3782, 19.3757, 32.5480)

Have a look what the booklet for
XYZ(18.3782, 19.3757, 32.5480)
contains.

XYZ(18.3440, 19.3165, 32.4674)	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(18.3440, 19.3165,
32.4674)**

Conversions

Conversions Part 1

Format	Color
Hex	677B98
RGB	103, 123, 152
RGB Percent	40%, 48%, 60%
CMY	0.5961, 0.5176, 0.4039
CMYK	0.32, 0.19, 0.00, 0.40
HSL	216°, 19%, 50%
HSV	216°, 32%, 60%
XYZ	18.3440, 19.3165, 32.4674
YIQ	120.3260, -21.2290, 4.7790

Conversions

Conversions Part 2

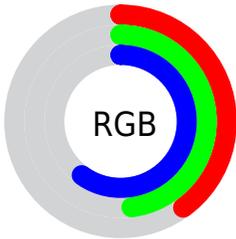
Format	Color
R_{YB}	103, 117, 152
Decimal	6781848
CIE _{Lab}	51.06, -0.08, -18.00
CIE _{LCh}	51, 18.004, 269.737
Yxy	19.3165, 0.2616, 0.2754
Android (android.graphics.Color)	4284971928 (0xFF677B98)
YUV	120.3260, 15.6153, -15.1949
Hunter-Lab	43.9505, -2.4114, -13.0337

Details

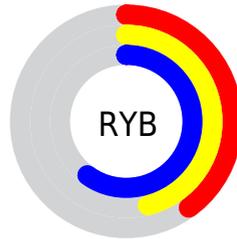
The XYZ color **18.3440, 19.3165, 32.4674** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.6487, 24.1575, 16.2490**, and the grayscale version is **17.9139, 18.8468, 20.5242**.

A 20% lighter version of the original color is **39.9881, 42.0847, 64.4081**, and **6.3191, 6.6214, 13.2569** is the 20% darker color. If you saturate the color by 10%, you get **15.6914, 16.3682, 32.0385**, and if you desaturate by 10%, it is **21.4173, 22.6348, 32.9462**.

Distribution



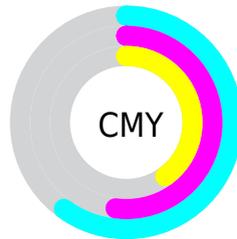
- Red (40%)
- Green (48%)
- Blue (60%)



- Red (40%)
- Yellow (46%)
- Blue (60%)



- Cyan (32%)
- Magenta (19%)
- Yellow (0%)
- Black (40%)



- Cyan (60%)
- Magenta (52%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3440, 19.3165, 32.4674 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 18.3440, 19.3165, 32.4674 by changing the saturation by 10% instead.

■ 18.3440, 19.3165,
32.4674

■ 18.3440, 19.3165,
32.4674

235.8112,
248.1905, 327.8010

■ 11.2984, 11.8992,
21.4510

■ 40.1481, 42.2682,
64.6495

■ 6.3367, 6.6751,
13.2596

■ 55.6374, 58.5714,
86.6523

■ 3.0935, 3.2597,
7.4747

■ 74.6719, 78.6054,
113.1543

■ 1.2034, 1.2688,
3.6778

■ 97.6171, 102.7545,
144.5740

■ 0.1090, 0.1168,
1.4503

124.8383,
131.4032, 181.3300

■ 0.0000, 0.0000,
0.1805

156.7007,

■ 0.0000, 0.0000,

164.9358, 223.8408

0.0000

193.5699,
203.7368, 272.5250

■ 18.3440, 19.3165,
32.4674

■ 18.3440, 19.3165,
32.4674

■ 15.6914, 16.3682,
32.0385

■ 21.4173, 22.6348,
32.9462

■ 13.4379, 13.7734,
31.6564

■ 24.9281, 26.3344,
33.4753

■ 11.5622, 11.5173,
31.3198

■ 28.8943, 30.4287,
34.0565

■ 10.0405, 9.5831,
31.0266

■ 33.3323, 34.9298,
34.6914

■ 8.8457, 7.9522,
30.7748

■ 38.2578, 39.8494,
35.3814

■ 7.9463, 6.6035,
30.5619

■ 43.6854, 45.1984,
36.1278

■ 7.3925, 5.7170,
30.4200

■ 49.6294, 50.9875,
36.9319

■ 56.1033, 57.2269,
37.7950

■ 63.1203, 63.9265,
38.7184

Harmonies

Analogous

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



16.6844, 19.3165, 30.7116



18.3440, 19.3165, 32.4674



20.1146, 19.3165, 30.7698

Triad

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



18.3440, 19.3165, 32.4674



21.5028, 19.3165, 16.5255



15.5530, 19.3165, 16.4590

Complementary

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



18.3440, 19.3165, 32.4674



23.6487, 24.1575, 16.2490

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.



16.7100, 19.3165, 13.6023



18.3440, 19.3165, 32.4674



20.1436, 19.3165, 13.6361

Square

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



18.3440, 19.3165, 32.4674



22.0087, 19.3165, 21.0775



18.3755, 19.3165, 12.6575



15.1382, 19.3165, 20.9873

Rectangle

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



18.3440, 19.3165, 32.4674



21.1042, 19.3165, 28.0433



18.3755, 19.3165, 12.6575



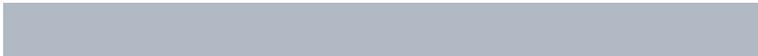
15.8642, 19.3165, 15.2997

Sweetspot

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



18.3446, 19.3173, 32.4678



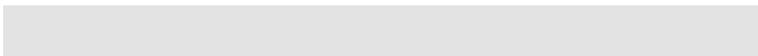
45.3628, 47.9000, 59.2884



20.9587, 26.9950, 25.7870



10.1133, 10.6822, 13.4463



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

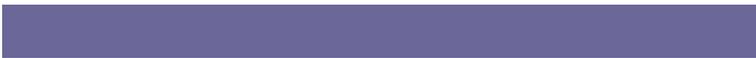
The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.3446, 19.3173, 32.4678



28.7895, 30.1214, 56.7303



16.5917, 15.0991, 31.7460



6.0812, 6.4197, 7.8476



6.2275, 4.8516, 25.5159



0.1275, 0.1414, 0.3929

Inverse Universe

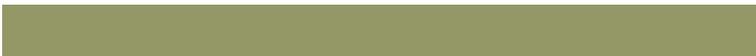
The Inverse Universe completely reimagines the original color for something new.



21.3748, 17.8066, 21.0501



35.1337, 27.3966, 32.7274



25.8745, 29.7243, 17.2062



6.3081, 6.2624, 7.0025



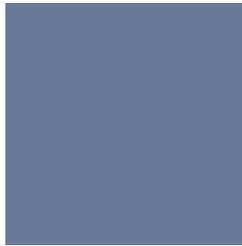
11.6021, 5.8951, 4.4296



0.1908, 0.0951, 0.1577

Previews

White Background



This preview shows how the XYZ color 18.3440, 19.3165, 32.4674 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 18.3440, 19.3165, 32.4674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

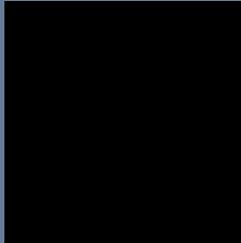
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

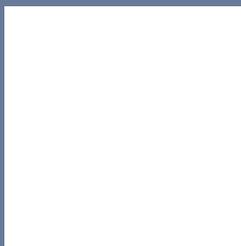
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.3440, 19.3165, 32.4674

Background



This preview shows how black text looks on a background with the XYZ color 18.3440, 19.3165, 32.4674.



This preview shows how white text looks on a background with the XYZ color 18.3440, 19.3165,

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

18.3440, 19.3165, 32.4674

Protanopia

19.1609, 19.2124, 31.5526

Deuteranopia

19.6827, 19.2755, 32.8201



Tritanopia

17.0504, 19.3519, 26.1292

Trichromacy



Original Color

18.3440, 19.3165, 32.4674

Protanomaly

18.8537, 19.2241, 31.9951

Deuteranomaly

19.1483, 19.1776, 32.8294

Tritanomaly

17.4716, 19.3296, 28.4013

Monochromacy



Original Color

18.3440, 19.3165, 32.4674

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.9417, 18.9181, 24.5357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3440, 19.3165, 32.4674 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(103, 123, 152)` looks like.

```
.text, #text, p{  
    color:rgb(103, 123, 152)  
}
```

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(103, 123, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 123, 152) }
```

Border

The CSS property to change the border of an element to XYZ 18.3440, 19.3165, 32.4674 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(103, 123, 152) }
```


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

```
.border{ border-color:rgb(103, 123, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 123, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 123, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 123, 152);  
box-shadow:4px 4px 4px 4px rgb(103, 123,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3440, 19.3165, 32.4674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 123, 152) }
```

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

```
.background{ background-color: rgb(103,  
123, 152) }
```

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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