

Converting Colors

XYZ(18.5104, 19.2814, 35.5878)

Have a look what the booklet for
XYZ(18.5104, 19.2814, 35.5878)
contains.

XYZ(18.4866, 19.3218, 35.5560)	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(18.4866, 19.3218,
35.5560)**

Conversions

Conversions Part 1

Format	Color
Hex	637B9F
RGB	99, 123, 159
RGB Percent	39%, 48%, 62%
CMY	0.6118, 0.5176, 0.3765
CMYK	0.38, 0.23, 0.00, 0.38
HSL	216°, 24%, 51%
HSV	216°, 38%, 62%
XYZ	18.4866, 19.3218, 35.5560
YIQ	119.9280, -25.8600, 6.1080

Conversions

Conversions Part 2

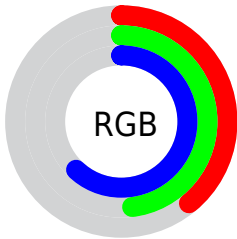
Format	Color
R _Y B	99, 116, 159
Decimal	6519711
CIE Lab	51.06, 0.64, -22.10
CIE LCh	51, 22.111, 271.653
Yxy	19.3218, 0.2520, 0.2634
Android (android.graphics.Color)	4284709791 (0xFF637B9F)
YUV	119.9280, 19.2625, -18.3539
Hunter-Lab	43.9566, -1.8531, -17.1894

Details

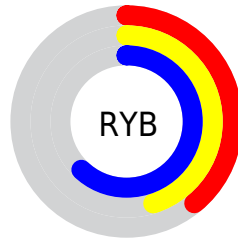
The XYZ color **18.4866, 19.3218, 35.5560** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **25.2147, 25.6003, 15.4175**, and the grayscale version is **17.7765, 18.7023, 20.3668**.

A 20% lighter version of the original color is **40.4165, 42.1904, 69.6317**, and **6.3692, 6.6121, 14.8505** is the 20% darker color. If you saturate the color by 10%, you get **15.7913, 16.2606, 35.1075**, and if you desaturate by 10%, it is **21.6406, 22.7915, 36.0598**.

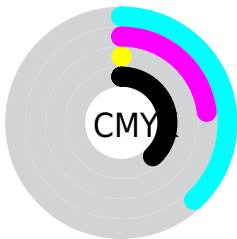
Distribution



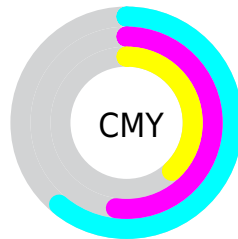
- Red (39%)
- Green (48%)
- Blue (62%)



- Red (39%)
- Yellow (45%)
- Blue (62%)



- Cyan (38%)
- Magenta (23%)
- Yellow (0%)
- Black (38%)



- Cyan (61%)
- Magenta (52%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4866, 19.3218, 35.5560 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 18.4866, 19.3218, 35.5560 by changing the saturation by 10% instead.

■ 18.4866, 19.3218,
35.5560

■ 18.4866, 19.3218,
35.5560

236.5925,
248.2196, 341.9942

■ 11.4017, 11.9030,
23.8045

■ 40.3884, 42.2772,
69.5075

■ 6.4070, 6.6777,
14.9778

■ 55.9359, 58.5825,
92.5446

■ 3.1371, 3.2614,
8.6574

■ 75.0351, 78.6189,
120.1807

■ 1.2267, 1.2697,
4.4246

■ 98.0513, 102.7707,
152.8343

■ 0.1273, 0.1175,
1.8611

125.3497,
131.4222, 190.9239

■ 0.0000, 0.0000,
0.4678

157.2959,

■ 0.0000, 0.0000,

164.9580, 234.8680

0.0000

194.2550,
203.7623, 285.0853

■ 18.4866, 19.3218,
35.5560

■ 18.4866, 19.3218,
35.5560

■ 15.7913, 16.2606,
35.1075

■ 21.6406, 22.7915,
36.0598

■ 13.5292, 13.5887,
34.7110

■ 25.2729, 26.6833,
36.6196

■ 11.6754, 11.2885,
34.3648

■ 29.4046, 31.0129,
37.2375

■ 10.2011, 9.3398,
34.0663

■ 34.0545, 35.7944,
37.9154

■ 9.0732, 7.7201,
33.8131

■ 39.2406, 41.0413,
38.6548

■ 8.2375, 6.3952,
33.6014

■ 44.9801, 46.7664,
39.4573

■ 8.0690, 6.1252,
33.5582

■ 51.2892, 52.9821,
40.3245

■ 58.1836, 59.7002,
41.2579

■ 65.6783, 66.9321,
42.2588

Harmonies

Analogous

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



16.4355, 19.3218, 33.5486



18.4866, 19.3218, 35.5560



20.6663, 19.3218, 33.0757

Triad

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



18.4866, 19.3218, 35.5560



22.1909, 19.3218, 15.3187



14.8999, 19.3218, 15.8119

Complementary

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



18.4866, 19.3218, 35.5560



25.2147, 25.6003, 15.4175

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.



16.2408, 19.3218, 12.3457



18.4866, 19.3218, 35.5560



20.4394, 19.3218, 12.1033

Square

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



18.4866, 19.3218, 35.5560



22.9077, 19.3218, 20.6920



18.2435, 19.3218, 11.1328



14.4661, 19.3218, 21.3882

Rectangle

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



18.4866, 19.3218, 35.5560



21.8722, 19.3218, 29.4501



18.2435, 19.3218, 11.1328



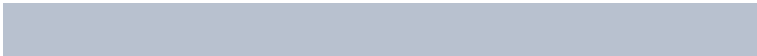
15.2539, 19.3218, 14.4031

Sweetspot

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



18.4872, 19.3225, 35.5565



49.9857, 52.7559, 66.2918



21.8474, 29.1706, 27.0339



11.0560, 11.6708, 14.9136



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.4872, 19.3225, 35.5565



29.1269, 30.0969, 63.0176



16.4294, 14.3707, 34.7091



6.4916, 6.8490, 8.3865



6.4119, 4.9153, 26.5180



0.1548, 0.1682, 0.4875

Inverse Universe

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



22.3356, 17.7254, 20.9838



37.1474, 27.3731, 32.5110



27.9771, 32.5675, 16.6168



6.7375, 6.6879, 7.4687



12.0346, 6.1184, 4.4334



0.2355, 0.1175, 0.1860

Previews

White Background



This preview shows how the XYZ color 18.4866, 19.3218, 35.5560 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 18.4866, 19.3218, 35.5560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

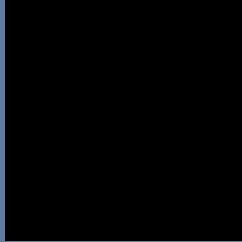
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

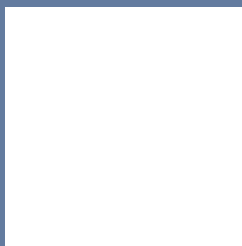
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.4866, 19.3218, 35.5560

Background



This preview shows how black text looks on a background with the XYZ color 18.4866, 19.3218, 35.5560.



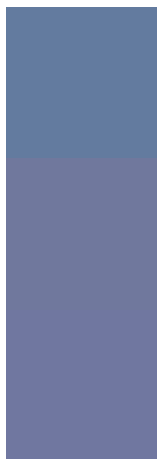
This preview shows how white text looks on a background with the XYZ color 18.4866, 19.3218,

35.5560.

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

18.4866, 19.3218, 35.5560

Protanopia

19.4844, 19.3120, 34.5989

Deuteranopia

19.6241, 19.1765, 35.9248



Tritanopia

16.7208, 19.3646, 26.5234

Trichromacy



Original Color

18.4866, 19.3218, 35.5560

Protanomaly

19.0723, 19.2692, 35.0619

Deuteranomaly

19.1250, 19.0968, 35.9358

Tritanomaly

17.3956, 19.4528, 29.6260

Monochromacy



Original Color

18.4866, 19.3218, 35.5560

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.8225, 18.8407, 25.2515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4866, 19.3218, 35.5560 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(99, 123, 159)` looks like.

```
.text, #text, p{  
    color:rgb(99, 123, 159)  
}
```

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(99, 123, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 123, 159) }
```

Border

The CSS property to change the border of an element to XYZ 18.4866, 19.3218, 35.5560 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(99, 123, 159) }
```


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

```
.border{ border-color:rgb(99, 123, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 123, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 123, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 123, 159);  
box-shadow:4px 4px 4px 4px rgb(99, 123,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4866, 19.3218, 35.5560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 123, 159) }
```

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

```
.background{ background-color: rgb(99, 123,  
159) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor