

Converting Colors

XYZ(18.9716, 20.3033, 35.3329)

Have a look what the booklet for
XYZ(18.9716, 20.3033, 35.3329)
contains.

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Color

**XYZ(19.0165, 20.3567,
35.2747)**

Conversions

Conversions Part 1

Format	Color
Hex	647F9E
RGB	100, 127, 158
RGB Percent	39%, 50%, 62%
CMY	0.6078, 0.5020, 0.3804
CMYK	0.37, 0.20, 0.00, 0.38
HSL	212°, 23%, 51%
HSV	212°, 37%, 62%
XYZ	19.0165, 20.3567, 35.2747
YIQ	122.4610, -26.0430, 3.9170

Conversions

Conversions Part 2

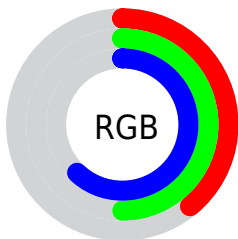
Format	Color
R_{YB}	100, 118, 158
Decimal	6586270
CIE _{Lab}	52.24, -1.69, -19.71
CIE _{LCh}	52, 19.782, 265.094
Yxy	20.3567, 0.2547, 0.2727
Android (android.graphics.Color)	4284776350 (0xFF647F9E)
YUV	122.4610, 17.5207, -19.6983
Hunter-Lab	45.1184, -3.7230, -14.7715

Details

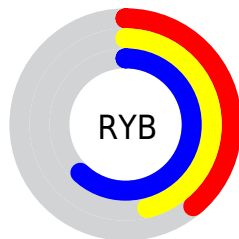
The XYZ color **19.0165, 20.3567, 35.2747** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **24.5176, 24.4223, 15.4791**, and the grayscale version is **18.6005, 19.5692, 21.3109**.

A 20% lighter version of the original color is **41.4684, 44.2189, 69.3003**, and **6.6936, 7.1884, 14.9446** is the 20% darker color. If you saturate the color by 10%, you get **16.3903, 17.4514, 34.8527**, and if you desaturate by 10%, it is **22.0744, 23.6211, 35.7440**.

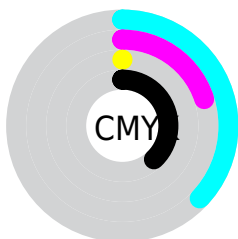
Distribution



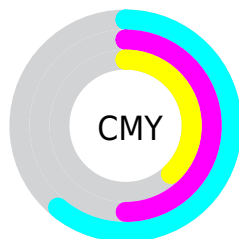
- Red (39%)
- Green (50%)
- Blue (62%)



- Red (39%)
- Yellow (46%)
- Blue (62%)



- Cyan (37%)
- Magenta (20%)
- Yellow (0%)
- Black (38%)



- Cyan (61%)
- Magenta (50%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0165, 20.3567, 35.2747 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 19.0165, 20.3567, 35.2747 by changing the saturation by 10% instead.

■ 19.0165, 20.3567,
35.2747

■ 19.0165, 20.3567,
35.2747

239.4762,
253.8396, 340.7202

■ 11.7863, 12.6546,
23.5893

■ 41.2786, 44.0144,
69.0675

■ 6.6695, 7.1911,
14.8199

■ 57.0413, 60.7388,
92.0120

■ 3.3007, 3.5819,
8.5479

■ 76.3787, 81.2394,
119.5466

■ 1.3147, 1.4426,
4.3547

■ 99.6564, 105.9007,
152.0898

■ 0.1942, 0.2478,
1.8219

127.2396,
135.1069, 190.0603

■ 0.0000, 0.0000,
0.4423

159.4938,

■ 0.0000, 0.0000,

169.2426, 233.8765

0.0000

196.7842,
208.6920, 283.9569

■ 19.0165, 20.3567,
35.2747

■ 19.0165, 20.3567,
35.2747

■ 16.3903, 17.4514,
34.8527

■ 22.0744, 23.6211,
35.7440

■ 14.1718, 14.8883,
34.4749

■ 25.5823, 27.2560,
36.2607

■ 12.3378, 12.6524,
34.1400

■ 29.5597, 31.2750,
36.8268

■ 10.8615, 10.7263,
33.8460

■ 34.0243, 35.6901,
37.4437

■ 9.7120, 9.0903,
33.5908

■ 38.9929, 40.5129,
38.1127

■ 8.8442, 7.7172,
33.3715

■ 44.4816, 45.7546,
38.8352

■ 8.5907, 7.3067,
33.3057

■ 50.5055, 51.4257,
39.6123

■ 57.0792, 57.5363,
40.4453

■ 64.2167, 64.0964,
41.3353

Harmonies

Analogous

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



17.1994, 20.3567, 32.6563



19.0165, 20.3567, 35.2747



21.0518, 20.3567, 33.9100

Triad

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



19.0165, 20.3567, 35.2747



23.1035, 20.3567, 17.7534



16.3202, 20.3567, 16.3631

Complementary

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



19.0165, 20.3567, 35.2747



24.5176, 24.4223, 15.4791

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.



17.7396, 20.3567, 13.5034



19.0165, 20.3567, 35.2747



21.6694, 20.3567, 14.2022

Square

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



19.0165, 20.3567, 35.2747



23.5044, 20.3567, 23.1349



19.6842, 20.3567, 12.7875



15.7137, 20.3567, 21.2225

Rectangle

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



19.0165, 20.3567, 35.2747



22.2472, 20.3567, 31.0316



19.6842, 20.3567, 12.7875



16.7131, 20.3567, 15.1721

Sweetspot

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



19.0172, 20.3575, 35.2752



50.3162, 53.4170, 66.4020



21.5752, 28.8004, 25.8716



11.1382, 11.8350, 14.9410



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.



19.0172, 20.3575, 35.2752



30.5886, 32.6187, 63.4273



16.2014, 14.4046, 34.2746



6.5265, 6.9188, 8.3982



6.9190, 5.9295, 26.6871



0.1657, 0.1900, 0.4912

Inverse Universe

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



22.4891, 17.9165, 22.3524



37.9832, 28.0828, 35.7554



28.2508, 32.4488, 16.8316



6.7551, 6.6950, 7.5615



12.2906, 6.2208, 5.7812



0.2409, 0.1197, 0.2149

Previews

White Background



This preview shows how the XYZ color 19.0165, 20.3567, 35.2747 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 19.0165, 20.3567, 35.2747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

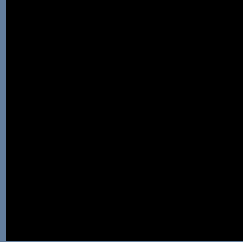
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.0165, 20.3567, 35.2747

Background



This preview shows how black text looks on a background with the XYZ color 19.0165, 20.3567, 35.2747.

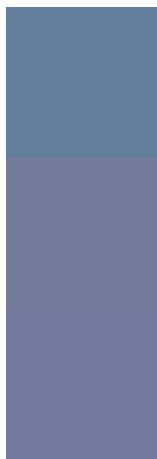


This preview shows how white text looks on a background with the XYZ color 19.0165, 20.3567,

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

19.0165, 20.3567, 35.2747

Protanopia

20.3355, 20.3144, 33.8596

Deuteranopia

20.6888, 20.2738, 35.6237



Tritanopia

17.6142, 20.3751, 28.2037

Trichromacy



Original Color

19.0165, 20.3567, 35.2747

Protanomaly

19.7639, 20.1951, 34.3089

Deuteranomaly

20.0212, 20.2980, 35.6636

Tritanomaly

18.0465, 20.3485, 30.5803

Monochromacy



Original Color

19.0165, 20.3567, 35.2747

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.5203, 19.7420, 25.7561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0165, 20.3567, 35.2747 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(100, 127, 158)` looks like.

```
.text, #text, p{  
    color:rgb(100, 127, 158)  
}
```

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(100, 127, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 127, 158) }
```

Border

The CSS property to change the border of an element to XYZ 19.0165, 20.3567, 35.2747 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(100, 127, 158) }
```


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

```
.border{ border-color:rgb(100, 127, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 127, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 127, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 127, 158);  
box-shadow:4px 4px 4px 4px rgb(100, 127,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0165, 20.3567, 35.2747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 127, 158) }
```

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

```
.background{ background-color: rgb(100,  
127, 158) }
```

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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