

Converting Colors

XYZ(17.9920, 18.1694, 35.3597)

Have a look what the booklet for
XYZ(17.9920, 18.1694, 35.3597)
contains.

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Color

**XYZ(17.9920, 18.1694,
35.3597)**

Conversions

Conversions Part 1

Format	Color
Hex	64769F
RGB	100, 118, 159
RGB Percent	39%, 46%, 62%
CMY	0.6078, 0.5372, 0.3765
CMYK	0.37, 0.26, 0.00, 0.38
HSL	222°, 24%, 51%
HSV	222°, 37%, 62%
XYZ	17.9920, 18.1694, 35.3597
YIQ	117.2920, -23.8890, 8.9350

Conversions

Conversions Part 2

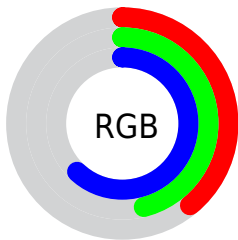
Format	Color
R_{YB}	100, 114, 159
Decimal	6583967
CIE _{Lab}	49.70, 3.90, -24.19
CIE _{LCh}	50, 24.506, 279.147
Yxy	18.1694, 0.2516, 0.2540
Android (android.graphics.Color)	4284774047 (0xFF64769F)
YUV	117.2920, 20.5620, -15.1651
Hunter-Lab	42.6256, 0.7490, -19.3456

Details

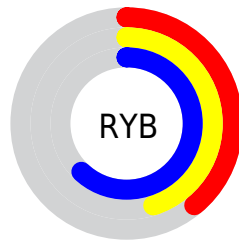
The XYZ color **17.9920, 18.1694, 35.3597** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.1237, 27.3414, 15.9579**, and the grayscale version is **16.9431, 17.8254, 19.4119**.

A 20% lighter version of the original color is **39.6492, 40.3768, 69.3221**, and **6.1594, 6.1200, 14.7666** is the 20% darker color. If you saturate the color by 10%, you get **15.1762, 14.8984, 34.8771**, and if you desaturate by 10%, it is **21.3047, 21.9236, 35.9101**.

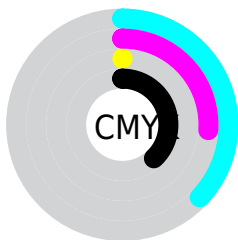
Distribution



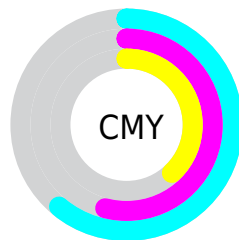
- Red (39%)
- Green (46%)
- Blue (62%)



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



- Cyan (37%)
- Magenta (26%)
- Yellow (0%)
- Black (38%)



- Cyan (61%)
- Magenta (54%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9920, 18.1694, 35.3597 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 17.9920, 18.1694, 35.3597 by changing the saturation by 10% instead.

■ 17.9920, 18.1694,
35.3597

■ 17.9920, 18.1694,
35.3597

233.8724,
241.8241, 341.1056

■ 11.0439, 11.0717,
23.6543

■ 39.5539, 40.3258,
69.2005

■ 6.1639, 6.1151,
14.8676

■ 54.8984, 56.1532,
92.1730

■ 2.9866, 2.9152,
8.5809

■ 73.7724, 75.6593,
119.7383

■ 1.1467, 1.0876,
4.3758

■ 96.5412, 99.2285,
152.3149

■ 0.0636, 0.0000,
1.8337

123.5703,
127.2452, 190.3214

■ 0.0000, 0.0000,
0.4500

155.2250,

■ 0.0000, 0.0000,

160.0938, 234.1763

0.0000

191.8705,
198.1586, 284.2982

■ 17.9920, 18.1694,
35.3597

■ 17.9920, 18.1694,
35.3597

■ 15.1762, 14.8984,
34.8771

■ 21.3047, 21.9236,
35.9101

■ 12.8302, 12.0877,
34.4582

■ 25.1358, 26.1785,
36.5294

■ 10.9269, 9.7155,
34.1006

■ 29.5079, 30.9530,
37.2205

■ 9.4356, 7.7572,
33.8012

■ 34.4416, 36.2644,
37.9857

■ 8.3209, 6.1853,
33.5566

■ 39.9562, 42.1295,
38.8271

■ 7.5306, 4.9628,
33.3623

■ 46.0705, 48.5638,
39.7468

■ 7.3360, 4.6590,
33.3139

■ 52.8019, 55.5827,
40.7468

■ 60.1676, 63.2007,
41.8290

■ 68.1837, 71.4319,
42.9953

Harmonies

Analogous

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



15.7222, 18.1694, 34.3709



17.9920, 18.1694, 35.3597



20.2572, 18.1694, 31.5047

Triad

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



17.9920, 18.1694, 35.3597



20.9848, 18.1694, 12.7343



13.4096, 18.1694, 15.5559

Complementary

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



17.9920, 18.1694, 35.3597



26.1237, 27.3414, 15.9579

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.



14.5910, 18.1694, 11.4032



17.9920, 18.1694, 35.3597



18.9150, 18.1694, 10.0472

Square

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



17.9920, 18.1694, 35.3597



22.0845, 18.1694, 17.8117



16.5665, 18.1694, 9.6219



13.2107, 18.1694, 21.8955

Rectangle

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



17.9920, 18.1694, 35.3597



21.4112, 18.1694, 27.1254



16.5665, 18.1694, 9.6219



13.6996, 18.1694, 13.9024

Sweetspot

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



17.9926, 18.1701, 35.3601



49.5126, 51.8098, 66.1341



22.4112, 29.4089, 29.4294



10.9387, 11.4361, 14.8745



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.



17.9926, 18.1701, 35.3601



27.7623, 27.3677, 62.5627



17.3483, 14.9859, 34.7795



6.4416, 6.7489, 8.3698



5.8274, 3.7463, 26.3232



0.1390, 0.1367, 0.4823

Inverse Universe

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



22.1258, 17.7940, 19.4086



36.4586, 27.0976, 28.8839



26.9448, 32.0298, 16.8195



6.7122, 6.6778, 7.3357



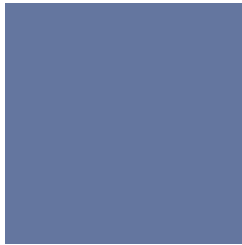
11.7396, 6.0004, 2.8798



0.2275, 0.1143, 0.1441

Previews

White Background



This preview shows how the XYZ color 17.9920, 18.1694, 35.3597 looks on a white 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

Black Background



This preview shows how the XYZ color 17.9920, 18.1694, 35.3597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

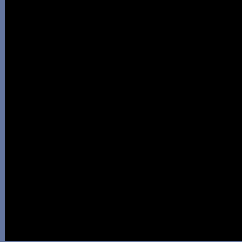
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

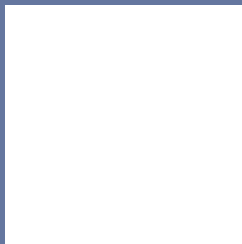
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.9920, 18.1694, 35.3597

Background



This preview shows how black text looks on a background with the XYZ color 17.9920, 18.1694, 35.3597.

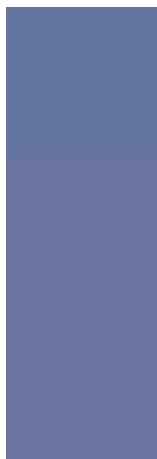


This preview shows how white text looks on a background with the XYZ color 17.9920, 18.1694,

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

17.9920, 18.1694, 35.3597

Protanopia

18.3608, 18.0236, 34.8589

Deuteranopia

18.4473, 18.0582, 35.3142



Tritanopia

15.9327, 18.2391, 24.8710

Trichromacy



Original Color

17.9920, 18.1694, 35.3597

Protanomaly

18.2418, 18.1343, 34.8866

Deuteranomaly

18.3282, 18.1688, 35.3418

Tritanomaly

16.5437, 18.1145, 28.2157

Monochromacy



Original Color

17.9920, 18.1694, 35.3597

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.0817, 17.7680, 24.3591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9920, 18.1694, 35.3597 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, 118, 159)` looks like.

```
.text, #text, p{  
    color:rgb(100, 118, 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(100, 118, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 118, 159) }
```

Border

The CSS property to change the border of an element to XYZ 17.9920, 18.1694, 35.3597 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, 118, 159) }
```


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

```
.border{ border-color:rgb(100, 118, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 118, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 118, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 118, 159);  
box-shadow:4px 4px 4px 4px rgb(100, 118,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9920, 18.1694, 35.3597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 118, 159) }
```

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

```
.background{ background-color: rgb(100,  
118, 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](#).

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