

Converting Colors

XYZ(17.4168, 19.4859, 34.0646)

Have a look what the booklet for
XYZ(17.4168, 19.4859, 34.0646)
contains.

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Color

**XYZ(17.4362, 19.5715,
33.8690)**

Conversions

Conversions Part 1

Format	Color
Hex	577F9B
RGB	87, 127, 155
RGB Percent	34%, 50%, 61%
CMY	0.6588, 0.5020, 0.3922
CMYK	0.44, 0.18, 0.00, 0.39
HSL	205°, 28%, 47%
HSV	205°, 44%, 61%
XYZ	17.4362, 19.5715, 33.8690
YIQ	118.2320, -32.8280, 0.2280

Conversions

Conversions Part 2

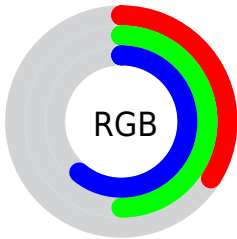
Format	Color
R _Y B	87, 112, 155
Decimal	5734299
CIE Lab	51.35, -6.20, -19.39
CIE LCh	51, 20.358, 252.280
Yxy	19.5715, 0.2460, 0.2761
Android (android.graphics.Color)	4283924379 (0xFF577F9B)
YUV	118.2320, 18.1266, -27.3905
Hunter-Lab	44.2397, -7.0672, -14.4234

Details

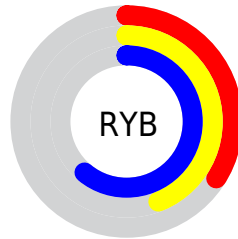
The XYZ color **17.4362, 19.5715, 33.8690** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **21.3690, 19.9186, 11.7358**, and the grayscale version is **17.2454, 18.1435, 19.7583**.

A 20% lighter version of the original color is **38.7693, 42.8711, 67.2044**, and **5.9162, 6.8056, 14.0985** is the 20% darker color. If you saturate the color by 10%, you get **15.3433, 17.3078, 33.5427**, and if you desaturate by 10%, it is **19.8934, 22.1013, 34.2282**.

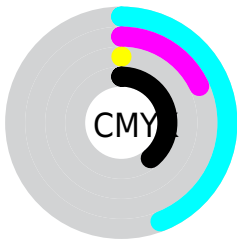
Distribution



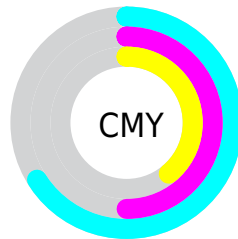
- Red (34%)
- Green (50%)
- Blue (61%)



- Red (34%)
- Yellow (44%)
- Blue (61%)



- Cyan (44%)
- Magenta (18%)
- Yellow (0%)
- Black (39%)



- Cyan (66%)
- Magenta (50%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4362, 19.5715, 33.8690 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 17.4362, 19.5715, 33.8690 by changing the saturation by 10% instead.

■ 17.4362, 19.5715,
33.8690

■ 17.4362, 19.5715,
33.8690

230.7812,
249.5859, 334.2988

■ 10.6432, 12.0840,
22.5164

■ 38.6119, 42.6976,
66.8615

■ 5.8930, 6.8009,
14.0349

■ 53.7253, 59.1049,
89.3384

■ 2.8201, 3.3379,
8.0059

■ 72.3429, 79.2543,
116.3606

■ 1.0594, 1.3106,
4.0109

■ 94.8301, 103.5302,
148.3466

■ 0.0000, 0.1494,
1.6313

121.5521,
132.3168, 185.7149

■ 0.0000, 0.0000,
0.3130

152.8745,

■ 0.0000, 0.0000,

165.9987, 228.8840

0.0000

189.1624,
204.9603, 278.2724

■ 17.4362, 19.5715,
33.8690

■ 17.4362, 19.5715,
33.8690

■ 15.3433, 17.3078,
33.5427

■ 19.8934, 22.1013,
34.2282

■ 13.5916, 15.2957,
33.2467

■ 22.7321, 24.9064,
34.6200

■ 12.1585, 13.5225,
32.9799

■ 25.9708, 27.9979,
35.0460

■ 11.0172, 11.9728,
32.7410

■ 29.6261, 31.3857,
35.5072

■ 10.1358, 10.6287,
32.5280

■ 33.7136, 35.0792,
36.0047

■ 9.6728, 9.8793,
32.4077

■ 38.2481, 39.0873,
36.5394

■ 43.2437, 43.4184,
37.1121

■ 48.7137, 48.0807,
37.7237

■ 54.6711, 53.0819,
38.3750

Harmonies

Analogous

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



15.8542, 19.5715, 29.7750



17.4362, 19.5715, 33.8690



19.4470, 19.5715, 34.2453

Triad

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



17.4362, 19.5715, 33.8690



22.6943, 19.5715, 19.0139



16.0915, 19.5715, 14.0465

Complementary

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



17.4362, 19.5715, 33.8690



21.3690, 19.9186, 11.7358

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.



17.7821, 19.5715, 12.1271



17.4362, 19.5715, 33.8690



21.6505, 19.5715, 14.6239

Square

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



17.4362, 19.5715, 33.8690



22.5847, 19.5715, 24.9067



19.8189, 19.5715, 12.3172



15.1176, 19.5715, 18.0774

Rectangle

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



17.4362, 19.5715, 33.8690



20.7715, 19.5715, 32.2602



19.8189, 19.5715, 12.3172



16.5893, 19.5715, 13.1691

Sweetspot

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



17.4368, 19.5722, 33.8695



46.8918, 50.4989, 62.8121



18.7010, 26.6888, 20.1457



10.3241, 11.1576, 14.1799



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



17.4368, 19.5722, 33.8695



27.4216, 30.9334, 60.0618



13.8323, 12.3633, 32.6680



6.1712, 6.5997, 7.8776



7.8073, 8.0113, 26.0425



0.1525, 0.1912, 0.4012

Inverse Universe

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



20.7570, 15.3178, 21.9420



34.3996, 23.0581, 34.7545



25.8596, 28.8997, 13.2327



6.3535, 6.2806, 7.2418



12.3995, 6.2140, 8.6289



0.2034, 0.1001, 0.2240

Previews

White Background



This preview shows how the XYZ color 17.4362, 19.5715, 33.8690 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 17.4362, 19.5715, 33.8690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

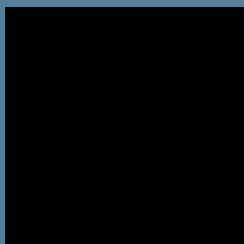
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

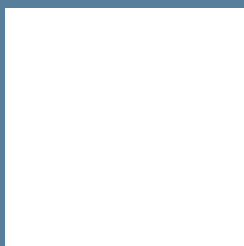
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.4362, 19.5715, 33.8690

Background



This preview shows how black text looks on a background with the XYZ color 17.4362, 19.5715, 33.8690.

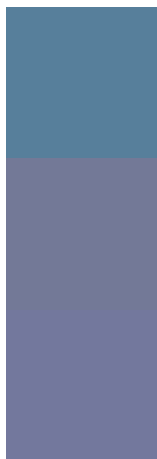


This preview shows how white text looks on a background with the XYZ color 17.4362, 19.5715,

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

17.4362, 19.5715, 33.8690

Protanopia

19.4935, 19.5539, 32.0250

Deuteranopia

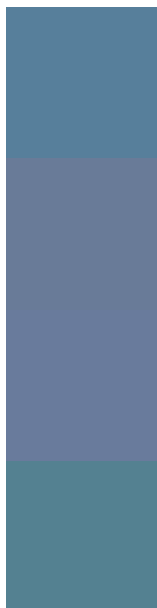
19.8725, 19.5121, 34.6171



Tritanopia

16.2835, 19.6977, 27.7547

Trichromacy



Original Color

17.4362, 19.5715, 33.8690

Protanomaly

18.5762, 19.4362, 32.4783

Deuteranomaly

18.9094, 19.5695, 34.2331

Tritanomaly

16.6172, 19.6297, 29.7011

Monochromacy



Original Color

17.4362, 19.5715, 33.8690

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.9975, 18.4392, 24.1360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4362, 19.5715, 33.8690 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(87, 127, 155)` looks like.

```
.text, #text, p{  
    color:rgb(87, 127, 155)  
}
```

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(87, 127, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 127, 155) }
```

Border

The CSS property to change the border of an element to XYZ 17.4362, 19.5715, 33.8690 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(87, 127, 155) }
```


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

```
.border{ border-color:rgb(87, 127, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 127, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 127, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 127, 155);  
box-shadow:4px 4px 4px 4px rgb(87, 127,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4362, 19.5715, 33.8690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 127, 155) }
```

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

```
.background{ background-color: rgb(87, 127,  
155) }
```

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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