

Converting Colors

XYZ(18.3784, 17.1421, 43.8877)

Have a look what the booklet for
XYZ(18.3784, 17.1421, 43.8877)
contains.

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Color

**XYZ(18.4493, 17.1956,
43.9417)**

Conversions

Conversions Part 1

Format	Color
Hex	5F70B1
RGB	95, 112, 177
RGB Percent	37%, 44%, 69%
CMY	0.6274, 0.5608, 0.3059
CMYK	0.46, 0.37, 0.00, 0.31
HSL	228°, 34%, 53%
HSV	228°, 46%, 69%
XYZ	18.4493, 17.1956, 43.9417
YIQ	114.3270, -30.9970, 16.6110

Conversions

Conversions Part 2

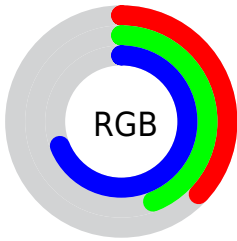
Format	Color
R _Y B	95, 109, 177
Decimal	6254769
CIE Lab	48.51, 11.46, -36.58
CIE LCh	49, 38.335, 287.394
Yxy	17.1956, 0.2318, 0.2161
Android (android.graphics.Color)	4284444849 (0xFF5F70B1)
YUV	114.3270, 30.8978, -16.9498
Hunter-Lab	41.4676, 6.8480, -33.8002

Details

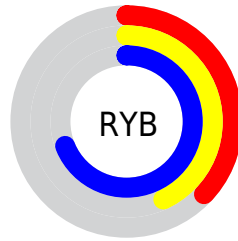
The XYZ color **18.4493, 17.1956, 43.9417** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **32.7685, 35.3158, 15.9168**, and the grayscale version is **16.0097, 16.8434, 18.3425**.

A 20% lighter version of the original color is **40.1996, 38.4671, 82.3969**, and **6.4035, 5.6869, 19.8290** is the 20% darker color. If you saturate the color by 10%, you get **15.3860, 13.4948, 43.3892**, and if you desaturate by 10%, it is **22.1729, 21.5955, 44.5950**.

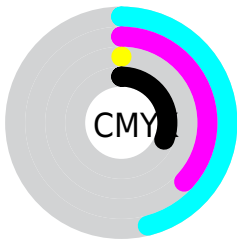
Distribution



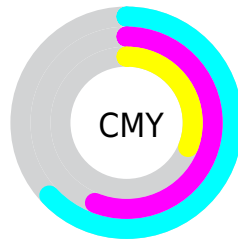
- Red (37%)
- Green (44%)
- Blue (69%)



- Red (37%)
- Yellow (43%)
- Blue (69%)



- Cyan (46%)
- Magenta (37%)
- Yellow (0%)
- Black (31%)



- Cyan (63%)
- Magenta (56%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4493, 17.1956, 43.9417 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 18.4493, 17.1956, 43.9417 by changing the saturation by 10% instead.

■ 18.4493, 17.1956,
43.9417

■ 18.4493, 17.1956,
43.9417

236.3884,
236.2971, 378.5047

■ 11.3747, 10.3740,
30.2878

■ 40.3256, 38.6618,
82.4315

■ 6.3886, 5.6477,
19.8033

■ 55.8579, 54.0752,
108.1046

■ 3.1257, 2.6320,
12.0695

■ 74.9402, 73.1213,
138.6211

■ 1.2206, 0.9428,
6.6679

■ 97.9378, 96.1846,
174.3997

■ 0.1225, 0.0000,
3.1800

125.2161,
123.6495, 215.8587

■ 0.0000, 0.0000,
1.1873

157.1403,

■ 0.0000, 0.0000,

155.9002, 263.4169

0.0000

194.0760,
193.3213, 317.4927

■ 18.4493, 17.1956,
43.9417

■ 18.4493, 17.1956,
43.9417

■ 15.3860, 13.4948,
43.3892

■ 22.1729, 21.5955,
44.5950

■ 12.9412, 10.4541,
42.9311

■ 26.5912, 26.7269,
45.3526

■ 11.0713, 8.0336,
42.5625

■ 31.7385, 32.6222,
46.2193

■ 9.7257, 6.1877,
42.2771

■ 37.6463, 39.3115,
47.1990

■ 8.8399, 4.8615,
42.0678

■ 44.3442, 46.8232,
48.2959

■ 8.5880, 4.4785,
42.0071

■ 51.8601, 55.1841,
49.5136

■ 60.2206, 64.4200,
50.8557

■ 69.4511, 74.5554,
52.3255

■ 79.5760, 85.6140,
53.9264

Harmonies

Analogous

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



14.9125, 17.1956, 44.6853



18.4493, 17.1956, 43.9417



21.8416, 17.1956, 35.1253

Triad

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



18.4493, 17.1956, 43.9417



21.3606, 17.1956, 7.7825



10.5945, 17.1956, 14.8077

Complementary

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



18.4493, 17.1956, 43.9417



32.7685, 35.3158, 15.9168

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.



11.8560, 17.1956, 8.4372



18.4493, 17.1956, 43.9417



17.8641, 17.1956, 5.4719

Square

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



18.4493, 17.1956, 43.9417



23.6809, 17.1956, 13.5111



14.4051, 17.1956, 5.6584



10.7044, 17.1956, 25.1278

Rectangle

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



18.4493, 17.1956, 43.9417



23.4128, 17.1956, 27.1946



14.4051, 17.1956, 5.6584



10.8637, 17.1956, 12.2236

Sweetspot

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



18.4499, 17.1962, 43.9421



58.9359, 60.8058, 83.1257



26.7203, 36.3890, 38.5232



12.3137, 12.6560, 17.9382



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



18.4499, 17.1962, 43.9421



27.2475, 23.7909, 77.6513



19.5317, 15.2275, 43.5051



8.1800, 8.5062, 10.7171



6.2587, 3.3178, 30.4475



0.2383, 0.1871, 0.9718

Inverse Universe

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



25.1489, 18.7021, 17.6142



40.9961, 27.5925, 23.4574



31.0703, 39.1181, 16.7403



8.5660, 8.5331, 9.2132



13.3938, 6.8751, 1.9676



0.4423, 0.2247, 0.1719

Previews

White Background



This preview shows how the XYZ color 18.4493, 17.1956, 43.9417 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 18.4493, 17.1956, 43.9417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

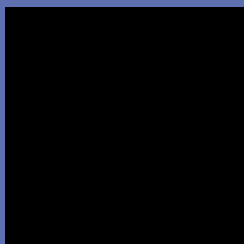
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

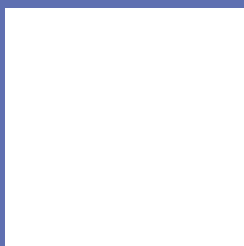
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.4493, 17.1956, 43.9417

Background



This preview shows how black text looks on a background with the XYZ color 18.4493, 17.1956, 43.9417.

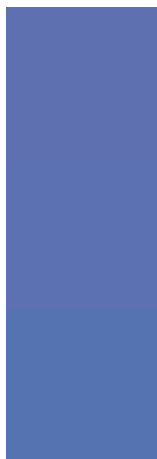


This preview shows how white text looks on a background with the XYZ color 18.4493, 17.1956,

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

18.4493, 17.1956, 43.9417

Protanopia

18.2554, 17.2488, 44.4867

Deuteranopia

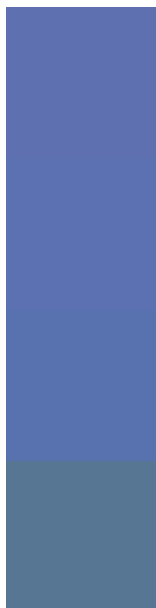
17.6234, 17.2809, 43.4810



Tritanopia

14.4138, 17.1073, 24.0151

Trichromacy



Original Color

18.4493, 17.1956, 43.9417

Protanomaly

18.3546, 17.2999, 44.4913

Deuteranomaly

17.8783, 17.2439, 43.4604

Tritanomaly

15.7542, 17.1212, 30.4914

Monochromacy



Original Color

18.4493, 17.1956, 43.9417

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.4839, 16.7422, 26.0297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4493, 17.1956, 43.9417 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(95, 112, 177)` looks like.

```
.text, #text, p{  
    color:rgb(95, 112, 177)  
}
```

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(95, 112, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 112, 177) }
```

Border

The CSS property to change the border of an element to XYZ 18.4493, 17.1956, 43.9417 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(95, 112, 177) }
```


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

```
.border{ border-color:rgb(95, 112, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 112, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(95, 112, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(95, 112, 177); box-shadow:4px 4px 4px 4px rgb(95, 112, 177) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4493, 17.1956, 43.9417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 112, 177) }
```

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

```
.background{ background-color: rgb(95, 112,  
177) }
```

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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