

Converting Colors

XYZ(18.2841, 17.4516, 42.9330)

Have a look what the booklet for
XYZ(18.2841, 17.4516, 42.9330)
contains.

XYZ(18.2694, 17.4569, 42.9641)	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(18.2694, 17.4569,
42.9641)**

Conversions

Conversions Part 1

Format	Color
Hex	5D72AF
RGB	93, 114, 175
RGB Percent	36%, 45%, 69%
CMY	0.6353, 0.5529, 0.3137
CMYK	0.47, 0.35, 0.00, 0.31
HSL	225°, 34%, 53%
HSV	225°, 47%, 69%
XYZ	18.2694, 17.4569, 42.9641
YIQ	114.6750, -32.0970, 14.5190

Conversions

Conversions Part 2

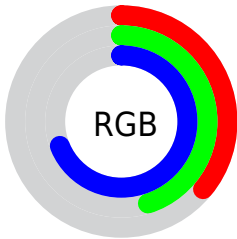
Format	Color
R _{YB}	93, 110, 175
Decimal	6124207
CIE Lab	48.83, 9.11, -34.92
CIE LCh	49, 36.087, 284.630
Yxy	17.4569, 0.2322, 0.2218
Android (android.graphics.Color)	4284314287 (0xFF5D72AF)
YUV	114.6750, 29.7402, -19.0090
Hunter-Lab	41.7815, 4.9335, -31.7212

Details

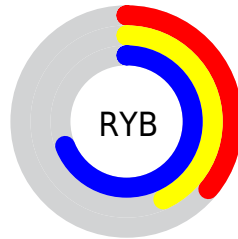
The XYZ color **18.2694, 17.4569, 42.9641** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.2115, 33.0167, 15.0847**, and the grayscale version is **16.1179, 16.9573, 18.4665**.

A 20% lighter version of the original color is **40.0926, 39.2450, 81.0632**, and **6.2604, 5.7136, 19.1852** is the 20% darker color. If you saturate the color by 10%, you get **15.3312, 13.9155, 42.4357**, and if you desaturate by 10%, it is **21.8232, 21.6266, 43.5820**.

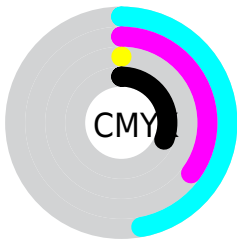
Distribution



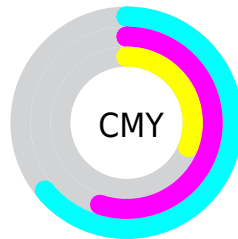
- Red (36%)
- Green (45%)
- Blue (69%)



- Red (36%)
- Yellow (43%)
- Blue (69%)



- Cyan (47%)
- Magenta (35%)
- Yellow (0%)
- Black (31%)



- Cyan (64%)
- Magenta (55%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2694, 17.4569, 42.9641 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 18.2694, 17.4569, 42.9641 by changing the saturation by 10% instead.

■ 18.2694, 17.4569,
42.9641

■ 18.2694, 17.4569,
42.9641

235.4015,
237.7918, 374.3810

■ 11.2444, 10.5608,
29.5258

■ 40.0223, 39.1097,
80.9425

■ 6.3000, 5.7723,
19.2299

■ 55.4810, 54.6352,
106.3196

■ 3.0707, 2.7071,
11.6580

■ 74.4816, 73.8059,
136.5133

■ 1.1913, 0.9808,
6.3916

■ 97.3896, 97.0062,
171.9423

■ 0.0995, 0.0000,
3.0120

124.5702,
124.6206, 213.0250

■ 0.0000, 0.0000,
1.1008

156.3888,

■ 0.0000, 0.0000,

157.0334, 260.1800

0.0000

193.2108,
194.6290, 313.8258

■ 18.2694, 17.4569,
42.9641

■ 18.2694, 17.4569,
42.9641

■ 15.3312, 13.9155,
42.4357

■ 21.8232, 21.6266,
43.5820

■ 12.9699, 10.9684,
41.9913

■ 26.0244, 26.4523,
44.2920

■ 11.1451, 8.5812,
41.6267

■ 30.9047, 31.9622,
45.0983

■ 9.8100, 6.7147,
41.3368

■ 36.4932, 38.1824,
46.0044

■ 8.9013, 5.3196,
41.1155

■ 42.8171, 45.1374,
47.0135

■ 8.6692, 4.9578,
41.0578

■ 49.9025, 52.8508,
48.1289

■ 57.7737, 61.3448,
49.3536

■ 66.4544, 70.6408,
50.6903

■ 75.9669, 80.7595,
52.1421

Harmonies

Analogous

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



14.9461, 17.4569, 42.8582



18.2694, 17.4569, 42.9641



21.5303, 17.4569, 35.3496

Triad

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



18.2694, 17.4569, 42.9641



21.6002, 17.4569, 8.7859



11.1338, 17.4569, 14.5338

Complementary

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



18.2694, 17.4569, 42.9641



31.2115, 33.0167, 15.0847

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.



12.4736, 17.4569, 8.6858



18.2694, 17.4569, 42.9641



18.3550, 17.4569, 6.2089

Square

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



18.2694, 17.4569, 42.9641



23.6215, 17.4569, 14.7266



15.0210, 17.4569, 6.1798



11.1174, 17.4569, 24.0470

Rectangle

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



18.2694, 17.4569, 42.9641



23.1046, 17.4569, 28.0368



15.0210, 17.4569, 6.1798



11.4354, 17.4569, 12.1606

Sweetspot

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



18.2700, 17.4575, 42.9645



57.8397, 60.0290, 81.1751



25.6057, 35.2920, 35.6579



12.4047, 12.8380, 17.9685



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.



18.2700, 17.4575, 42.9645



27.4041, 24.8567, 75.9903



18.3521, 14.3783, 42.3658



7.7394, 8.0782, 10.1040



6.2514, 3.6367, 29.4170



0.2179, 0.1892, 0.8330

Inverse Universe

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



24.6314, 18.1584, 18.1268



40.3989, 27.0869, 25.0739



30.9909, 38.5054, 16.1558



8.0863, 8.0478, 8.7652



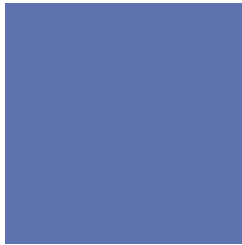
13.0191, 6.6702, 2.4799



0.3844, 0.1944, 0.1860

Previews

White Background



This preview shows how the XYZ color 18.2694, 17.4569, 42.9641 looks on a white background.

Color Contrast Check

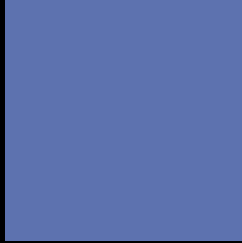
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.2694, 17.4569, 42.9641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

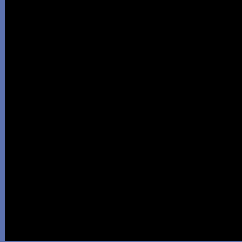
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

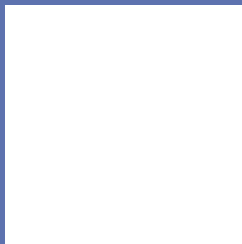
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.2694, 17.4569, 42.9641

Background



This preview shows how black text looks on a background with the XYZ color 18.2694, 17.4569, 42.9641.

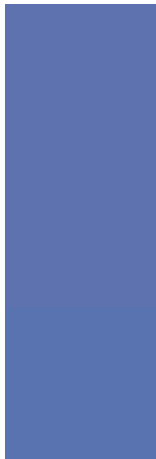


This preview shows how white text looks on a background with the XYZ color 18.2694, 17.4569,

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

18.2694, 17.4569, 42.9641

Protanopia

18.3713, 17.5095, 42.9688

Deuteranopia

17.8931, 17.4313, 42.9790



Tritanopia

14.6412, 17.5812, 24.4516

Trichromacy



Original Color

18.2694, 17.4569, 42.9641

Protanomaly

18.3713, 17.5095, 42.9688

Deuteranomaly

18.0850, 17.5303, 42.9879

Tritanomaly

15.8081, 17.5024, 30.5621

Monochromacy



Original Color

18.2694, 17.4569, 42.9641

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.7095, 17.1934, 26.1049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2694, 17.4569, 42.9641 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(93, 114, 175)` looks like.

```
.text, #text, p{  
    color:rgb(93, 114, 175)  
}
```

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(93, 114, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 114, 175) }
```

Border

The CSS property to change the border of an element to XYZ 18.2694, 17.4569, 42.9641 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(93, 114, 175) }
```


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

```
.border{ border-color:rgb(93, 114, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 114, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 114, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 114, 175);  
box-shadow:4px 4px 4px 4px rgb(93, 114,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2694, 17.4569, 42.9641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 114, 175) }
```

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

```
.background{ background-color: rgb(93, 114,  
175) }
```

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