

Converting Colors

XYZ(18.6724, 17.6418, 44.0160)

Have a look what the booklet for
XYZ(18.6724, 17.6418, 44.0160)
contains.

XYZ(18.6724, 17.6418, 44.0160)	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(18.6724, 17.6418,
44.0160)**

Conversions

Conversions Part 1

Format	Color
Hex	5F72B1
RGB	95, 114, 177
RGB Percent	37%, 45%, 69%
CMY	0.6274, 0.5529, 0.3059
CMYK	0.46, 0.36, 0.00, 0.31
HSL	226°, 34%, 53%
HSV	226°, 46%, 69%
XYZ	18.6724, 17.6418, 44.0160
YIQ	115.5010, -31.5470, 15.5650

Conversions

Conversions Part 2

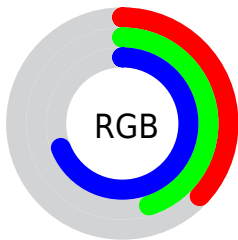
Format	Color
R _Y B	95, 110, 177
Decimal	6255281
CIE Lab	49.06, 10.24, -35.71
CIE LCh	49, 37.150, 285.997
Yxy	17.6418, 0.2324, 0.2196
Android (android.graphics.Color)	4284445361 (0xFF5F72B1)
YUV	115.5010, 30.3190, -17.9794
Hunter-Lab	42.0021, 5.8499, -32.7313

Details

The XYZ color **18.6724, 17.6418, 44.0160** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **32.4246, 34.6280, 15.8022**, and the grayscale version is **16.3659, 17.2182, 18.7506**.

A 20% lighter version of the original color is **40.7386, 39.5452, 82.5766**, and **6.4614, 5.8028, 19.8483** is the 20% darker color. If you saturate the color by 10%, you get **15.6169, 13.9565, 43.4661**, and if you desaturate by 10%, it is **22.3750, 21.9998, 44.6624**.

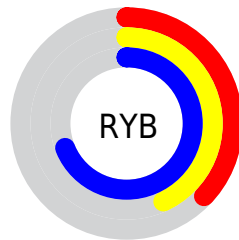
Distribution



Red (37%)

Green (45%)

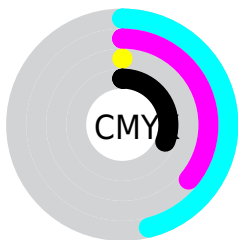
Blue (69%)



Red (37%)

Yellow (43%)

Blue (69%)

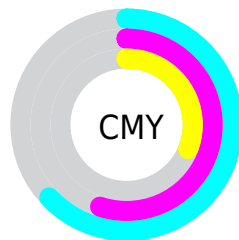


Cyan (46%)

Magenta (36%)

Yellow (0%)

Black (31%)



Cyan (63%)

Magenta (55%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6724, 17.6418, 44.0160 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 18.6724, 17.6418, 44.0160 by changing the saturation by 10% instead.

■ 18.6724, 17.6418,
44.0160

■ 18.6724, 17.6418,
44.0160

237.6072,
238.8442, 378.8168

■ 11.5364, 10.6931,
30.3458

■ 40.7010, 39.4260,
82.5446

■ 6.4988, 5.8609,
19.8469

■ 56.3242, 55.0303,
108.2400

■ 3.1942, 2.7607,
12.1009

■ 75.5073, 74.2887,
138.7809

■ 1.2573, 1.0081,
6.6890

■ 98.6155, 97.5854,
174.5859

■ 0.1509, 0.0000,
3.1929

126.0143,
125.3049, 216.0734

■ 0.0000, 0.0000,
1.1940

158.0689,

■ 0.0000, 0.0000,

157.8316, 263.6620

0.0000

195.1448,
195.5499, 317.7703

■ 18.6724, 17.6418,
44.0160

■ 18.6724, 17.6418,
44.0160

■ 15.6169, 13.9565,
43.4661

■ 22.3750, 21.9998,
44.6624

■ 13.1678, 10.9073,
43.0066

■ 26.7582, 27.0609,
45.4082

■ 11.2828, 8.4565,
42.6329

■ 31.8553, 32.8557,
46.2581

■ 9.9127, 6.5616,
42.3393

■ 37.6969, 39.4126,
47.2158

■ 8.9945, 5.1708,
42.1193

■ 44.3117, 46.7582,
48.2850

■ 8.7291, 4.7609,
42.0541

■ 51.7271, 54.9180,
49.4692

■ 59.9688, 63.9163,
50.7717

■ 69.0616, 73.7763,
52.1956

■ 79.0291, 84.5203,
53.7440

Harmonies

Analogous

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



15.2066, 17.6418, 44.3154



18.6724, 17.6418, 44.0160



22.0328, 17.6418, 35.7519

Triad

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



18.6724, 17.6418, 44.0160



21.8366, 17.6418, 8.4914



11.0975, 17.6418, 14.9510

Complementary

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



18.6724, 17.6418, 44.0160



32.4246, 34.6280, 15.8022

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.



12.4168, 17.6418, 8.7669



18.6724, 17.6418, 44.0160



18.4328, 17.6418, 6.0040

Square

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



18.6724, 17.6418, 44.0160



24.0244, 17.6418, 14.4147



14.9977, 17.6418, 6.0836



11.1431, 17.6418, 24.9633

Rectangle

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



18.6724, 17.6418, 44.0160



23.6223, 17.6418, 28.0655



14.9977, 17.6418, 6.0836



11.3872, 17.6418, 12.4442

Sweetspot

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



18.6731, 17.6424, 44.0164



59.1227, 61.1793, 83.1880



26.6021, 36.3417, 37.9007



12.3591, 12.7468, 17.9533



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.



18.6731, 17.6424, 44.0164



27.6611, 24.6181, 77.7892



19.3470, 15.1323, 43.4964



8.1965, 8.5391, 10.7225



6.3641, 3.5286, 30.4826



0.2450, 0.2006, 0.9740

Inverse Universe

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



25.2615, 18.7472, 18.2072



41.2049, 27.6760, 24.5568



31.3314, 39.2527, 16.7525



8.5744, 8.5365, 9.2570



13.4470, 6.8963, 2.2477



0.4457, 0.2260, 0.1898

Previews

White Background



This preview shows how the XYZ color 18.6724, 17.6418, 44.0160 looks on a white background.

Color Contrast Check

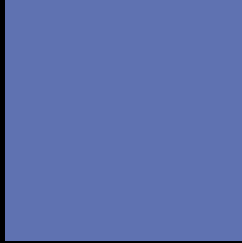
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6724, 17.6418, 44.0160 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

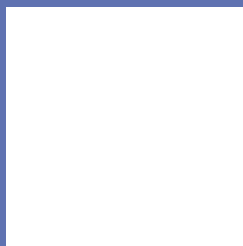
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.6724, 17.6418, 44.0160

Background



This preview shows how black text looks on a background with the XYZ color 18.6724, 17.6418, 44.0160.

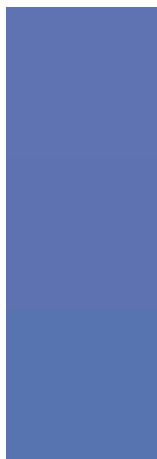


This preview shows how white text looks on a background with the XYZ color 18.6724, 17.6418,

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

18.6724, 17.6418, 44.0160

Protanopia

18.5692, 17.5886, 44.0112

Deuteranopia

18.1117, 17.6913, 44.0552



Tritanopia

14.7963, 17.6532, 24.8179

Trichromacy



Original Color

18.6724, 17.6418, 44.0160

Protanomaly

18.5692, 17.5886, 44.0112

Deuteranomaly

18.2830, 17.6095, 44.0303

Tritanomaly

16.0718, 17.6291, 30.9895

Monochromacy



Original Color

18.6724, 17.6418, 44.0160

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.9025, 17.2846, 26.4902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6724, 17.6418, 44.0160 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, 114, 177)` looks like.

```
.text, #text, p{  
    color:rgb(95, 114, 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, 114, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 114, 177) }
```

Border

The CSS property to change the border of an element to XYZ 18.6724, 17.6418, 44.0160 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, 114, 177) }
```


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

```
.border{ border-color:rgb(95, 114, 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, 114, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(95, 114, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(95, 114, 177); box-shadow:4px 4px 4px 4px rgb(95, 114, 177) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6724, 17.6418, 44.0160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 114, 177) }
```

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

```
.background{ background-color: rgb(95, 114,  
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](#).

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