

Converting Colors

XYZ(16.6582, 17.5583, 30.1203)

Have a look what the booklet for
XYZ(16.6582, 17.5583, 30.1203)
contains.

XYZ(16.6747, 17.6048, 30.1230)	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(16.6747, 17.6048,
30.1230)**

Conversions

Conversions Part 1

Format	Color
Hex	617693
RGB	97, 118, 147
RGB Percent	38%, 46%, 58%
CMY	0.6196, 0.5372, 0.4235
CMYK	0.34, 0.20, 0.00, 0.42
HSL	215°, 20%, 48%
HSV	215°, 34%, 58%
XYZ	16.6747, 17.6048, 30.1230
YIQ	115.0270, -21.8250, 4.5670

Conversions

Conversions Part 2

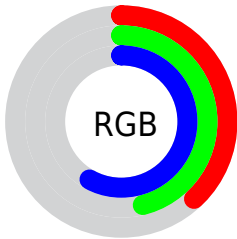
Format	Color
R _Y B	97, 112, 147
Decimal	6387347
CIE Lab	49.01, -0.32, -18.23
CIE LCh	49, 18.231, 268.979
Yxy	17.6048, 0.2589, 0.2734
Android (android.graphics.Color)	4284577427 (0xFF617693)
YUV	115.0270, 15.7627, -15.8097
Hunter-Lab	41.9581, -2.4883, -13.1955

Details

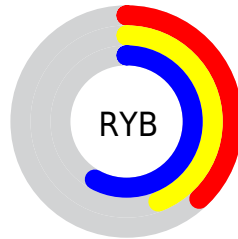
The XYZ color **16.6747, 17.6048, 30.1230** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **21.6517, 21.9884, 14.4130**, and the grayscale version is **16.2628, 17.1097, 18.6325**.

A 20% lighter version of the original color is **37.3118, 39.3561, 60.8883**, and **5.5204, 5.8532, 11.9052** is the 20% darker color. If you saturate the color by 10%, you get **14.2921, 14.9532, 29.7371**, and if you desaturate by 10%, it is **19.4394, 20.5890, 30.5536**.

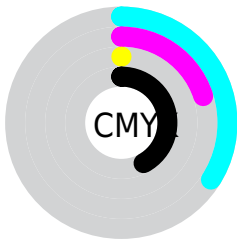
Distribution



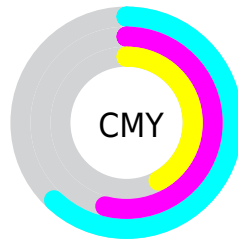
- Red (38%)
- Green (46%)
- Blue (58%)



- Red (38%)
- Yellow (44%)
- Blue (58%)



- Cyan (34%)
- Magenta (20%)
- Yellow (0%)
- Black (42%)



- Cyan (62%)
- Magenta (54%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6747, 17.6048, 30.1230 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 16.6747, 17.6048, 30.1230 by changing the saturation by 10% instead.

■ 16.6747, 17.6048,
30.1230

■ 16.6747, 17.6048,
30.1230

226.4837,
238.6340, 316.7025

■ 10.0967, 10.6666,
19.6791

■ 37.3137, 39.3628,
60.9199

■ 5.5259, 5.8431,
11.9803

■ 52.1054, 54.9513,
82.1101

■ 2.5969, 2.7499,
6.6079

■ 70.3657, 74.1922,
107.7194

■ 0.9444, 1.0026,
3.1434

■ 92.4599, 97.4696,
138.1664

■ 0.0000, 0.0000,
1.1683

118.7535,
125.1682, 173.8697

■ 0.0000, 0.0000,
0.0000

149.6118,

157.6721, 215.2478

185.4000,
195.3659, 262.7192

■ 16.6747, 17.6048,
30.1230

■ 16.6747, 17.6048,
30.1230

■ 14.2921, 14.9532,
29.7371

■ 19.4394, 20.5890,
30.5536

■ 12.2716, 12.6189,
29.3930

■ 22.6018, 23.9160,
31.0291

■ 10.5936, 10.5888,
29.0896

■ 26.1784, 27.5980,
31.5513

■ 9.2357, 8.8473,
28.8250

■ 30.1843, 31.6459,
32.1215

■ 8.1728, 7.3775,
28.5973

■ 34.6338, 36.0703,
32.7410

■ 7.3747, 6.1594,
28.4043

■ 39.5407, 40.8811,
33.4109

■ 6.9750, 5.5237,
28.3026

■ 44.9179, 46.0881,
34.1325

■ 50.7779, 51.7003,
34.9070

■ 57.1328, 57.7269,
35.7353

Harmonies

Analogous

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



15.1056, 17.6048, 28.3528



16.6747, 17.6048, 30.1230



18.3654, 17.6048, 28.5697

Triad

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



16.6747, 17.6048, 30.1230



19.7554, 17.6048, 14.9850



14.0873, 17.6048, 14.7414

Complementary

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



16.6747, 17.6048, 30.1230



21.6517, 21.9884, 14.4130

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.



15.2000, 17.6048, 12.0957



16.6747, 17.6048, 30.1230



18.4729, 17.6048, 12.2188

Square

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



16.6747, 17.6048, 30.1230



20.2150, 17.6048, 19.3358



16.7911, 17.6048, 11.2556



13.6754, 17.6048, 19.0024

Rectangle

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



16.6747, 17.6048, 30.1230



19.3196, 17.6048, 25.9858



16.7911, 17.6048, 11.2556



14.3879, 17.6048, 13.6620

Sweetspot

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



16.6753, 17.6055, 30.1234



42.8253, 45.2635, 55.9142



19.0870, 24.8985, 23.3143



9.5934, 10.1439, 12.7372



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.6753, 17.6055, 30.1234



26.4642, 27.7597, 53.3979



14.8343, 13.3851, 29.4058



5.6877, 6.0094, 7.3299



6.0704, 4.8357, 24.5445



0.1024, 0.1154, 0.3098

Inverse Universe

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



19.5779, 16.0611, 19.2084



32.6063, 24.9510, 30.1982



24.0353, 27.6302, 15.3764



5.8958, 5.8534, 6.5575



11.1912, 5.6815, 4.4877



0.1511, 0.0752, 0.1296

Previews

White Background



This preview shows how the XYZ color 16.6747, 17.6048, 30.1230 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 16.6747, 17.6048, 30.1230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

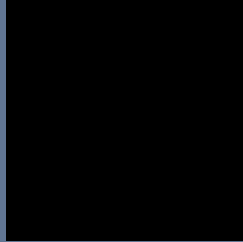
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

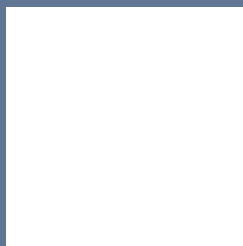
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.6747, 17.6048, 30.1230

Background



This preview shows how black text looks on a background with the XYZ color 16.6747, 17.6048, 30.1230.

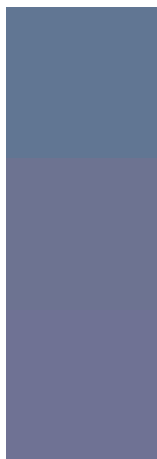


This preview shows how white text looks on a background with the XYZ color 16.6747, 17.6048,

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

16.6747, 17.6048, 30.1230

Protanopia

17.5482, 17.5570, 29.2520

Deuteranopia

17.9182, 17.5523, 30.4605



Tritanopia

15.4483, 17.6406, 24.0635

Trichromacy



Original Color

16.6747, 17.6048, 30.1230

Protanomaly

17.2594, 17.5694, 29.6757

Deuteranomaly

17.4199, 17.4638, 30.4697

Tritanomaly

15.8479, 17.6188, 26.2324

Monochromacy



Original Color

16.6747, 17.6048, 30.1230

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.2605, 17.2112, 22.5438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6747, 17.6048, 30.1230 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(97, 118, 147) looks like.

```
.text, #text, p{  
    color:rgb(97, 118, 147)  
}
```

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(97, 118, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 118, 147) }
```

Border

The CSS property to change the border of an element to XYZ 16.6747, 17.6048, 30.1230 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(97, 118, 147) }
```


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

```
.border{ border-color:rgb(97, 118, 147) }
```

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

Here you see how a box with a 4 pixel rgb(97, 118, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 118, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 118, 147);  
box-shadow:4px 4px 4px 4px rgb(97, 118,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6747, 17.6048, 30.1230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 118, 147) }
```

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

```
.background{ background-color: rgb(97, 118,  
147) }
```

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