

Converting Colors

XYZ(17.8521, 16.9657, 34.2320)

Have a look what the booklet for
XYZ(17.8521, 16.9657, 34.2320)
contains.

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Color

**XYZ(17.8336, 16.9290,
34.2260)**

Conversions

Conversions Part 1

Format	Color
Hex	6B6F9D
RGB	107, 111, 157
RGB Percent	42%, 44%, 62%
CMY	0.5804, 0.5647, 0.3843
CMYK	0.32, 0.29, 0.00, 0.38
HSL	235°, 20%, 52%
HSV	235°, 32%, 62%
XYZ	17.8336, 16.9290, 34.2260
YIQ	115.0480, -17.1500, 13.4580

Conversions

Conversions Part 2

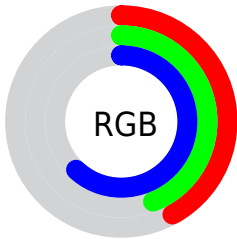
Format	Color
R_{YB}	107, 111, 157
Decimal	7040925
CIE Lab	48.17, 9.65, -25.35
CIE LCh	48, 27.122, 290.837
Yxy	16.9290, 0.2585, 0.2454
Android (android.graphics.Color)	4285231005 (0xFF6B6F9D)
YUV	115.0480, 20.6823, -7.0581
Hunter-Lab	41.1449, 5.3645, -20.5185

Details

The XYZ color **17.8336, 16.9290, 34.2260** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.9499, 31.0122, 18.4232**, and the grayscale version is **16.2537, 17.1001, 18.6221**.

A 20% lighter version of the original color is **39.4781, 38.4214, 67.6227**, and **6.0705, 5.5566, 14.1172** is the 20% darker color. If you saturate the color by 10%, you get **14.6641, 13.1419, 33.6624**, and if you desaturate by 10%, it is **21.6019, 21.4038, 34.8914**.

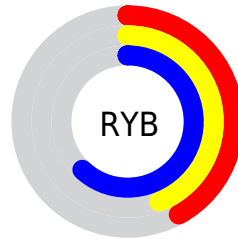
Distribution



Red (42%)

Green (44%)

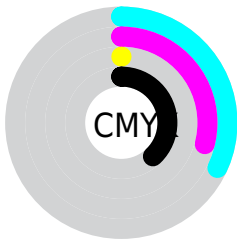
Blue (62%)



Red (42%)

Yellow (44%)

Blue (62%)

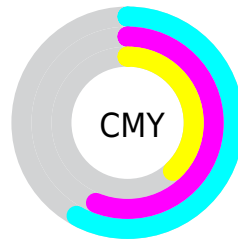


Cyan (32%)

Magenta (29%)

Yellow (0%)

Black (38%)



Cyan (58%)

Magenta (56%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8336, 16.9290, 34.2260 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 17.8336, 16.9290, 34.2260 by changing the saturation by 10% instead.

■ 17.8336, 16.9290,
34.2260

■ 17.8336, 16.9290,
34.2260

232.9952,
234.7629, 335.9385

■ 10.9296, 10.1839,
22.7885

■ 39.2859, 38.2037,
67.4229

■ 6.0864, 5.5210,
14.2336

■ 54.5648, 53.5020,
90.0193

■ 2.9389, 2.5561,
8.1427

■ 73.3661, 72.4202,
117.1725

■ 1.1215, 0.9046,
4.0973

■ 96.0551, 95.3426,
149.3010

■ 0.0430, 0.0000,
1.6789

122.9972,
122.6537, 186.8233

■ 0.0000, 0.0000,
0.3462

154.5576,

■ 0.0000, 0.0000,

154.7379, 230.1579

0.0000

191.1019,
191.9795, 279.7235

■ 17.8336, 16.9290,
34.2260

■ 17.8336, 16.9290,
34.2260

■ 14.6641, 13.1419,
33.6624

■ 21.6019, 21.4038,
34.8914

■ 12.0608, 10.0065,
33.1944

■ 25.9957, 26.5960,
35.6620

■ 9.9907, 7.4865,
32.8171

■ 31.0425, 32.5359,
36.5426

■ 8.4167, 5.5413,
32.5246

■ 36.7673, 39.2516,
37.5371

■ 7.2970, 4.1252,
32.3103

■ 43.1940, 46.7696,
38.6495

■ 6.5826, 3.1858,
32.1666

■ 50.3453, 55.1152,
39.8834

■ 6.2243, 2.7111,
32.0939

■ 58.2428, 64.3126,
41.2425

■ 66.9074, 74.3850,
42.7300

■ 76.3589, 85.3548,
44.3492

Harmonies

Analogous

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



15.3485, 16.9290, 35.3155



17.8336, 16.9290, 34.2260



20.0465, 16.9290, 28.3872

Triad

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



17.8336, 16.9290, 34.2260



19.2686, 16.9290, 9.7935



11.8554, 16.9290, 16.3574

Complementary

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



17.8336, 16.9290, 34.2260



27.9499, 31.0122, 18.4232

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.



12.6925, 16.9290, 11.1290



17.8336, 16.9290, 34.2260



16.8561, 16.9290, 8.0276

Square

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



17.8336, 16.9290, 34.2260



20.9319, 16.9290, 14.0191



14.4649, 16.9290, 8.4446



12.0599, 16.9290, 23.6874

Rectangle

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



17.8336, 16.9290, 34.2260



20.9884, 16.9290, 23.2501



14.4649, 16.9290, 8.4446



12.0209, 16.9290, 14.3316

Sweetspot

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



17.8342, 16.9297, 34.2264



47.9682, 49.2959, 64.1136



23.8568, 29.5345, 34.5086



10.3103, 10.5586, 14.0650



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.



17.8342, 16.9297, 34.2264



27.9184, 25.5202, 60.5812



20.2210, 17.5265, 34.2158



6.3253, 6.5163, 8.3311



5.0674, 2.2264, 26.0699



0.1017, 0.0619, 0.4698

Inverse Universe

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



22.0320, 18.8317, 17.5133



36.6360, 29.5668, 25.8516



24.8916, 30.4241, 18.4709



6.6535, 6.6543, 7.0266



11.3560, 5.8470, 0.8598



0.2086, 0.1068, 0.0448

Previews

White Background



This preview shows how the XYZ color 17.8336, 16.9290, 34.2260 looks on a white background.

Color Contrast Check

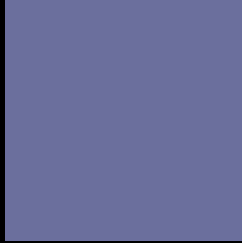
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8336, 16.9290, 34.2260 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 17.8336, 16.9290, 34.2260

Background



This preview shows how black text looks on a background with the XYZ color 17.8336, 16.9290, 34.2260.



This preview shows how white text looks on a background with the XYZ color 17.8336, 16.9290,

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

17.8336, 16.9290, 34.2260

Protanopia

17.4435, 17.0456, 34.7185

Deuteranopia

17.3578, 17.0113, 34.2669



Tritanopia

15.3827, 16.9383, 22.1973

Trichromacy



Original Color

17.8336, 16.9290, 34.2260

Protanomaly

17.5592, 16.9405, 34.6921

Deuteranomaly

17.4735, 16.9062, 34.2406

Tritanomaly

16.2396, 16.9512, 26.0829

Monochromacy



Original Color

17.8336, 16.9290, 34.2260

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.7287, 17.0911, 23.5363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8336, 16.9290, 34.2260 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(107, 111, 157)` looks like.

```
.text, #text, p{  
    color:rgb(107, 111, 157)  
}
```

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(107, 111, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 111, 157) }
```

Border

The CSS property to change the border of an element to XYZ 17.8336, 16.9290, 34.2260 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(107, 111, 157) }
```


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

```
.border{ border-color:rgb(107, 111, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 111, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 111, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 111, 157);  
box-shadow:4px 4px 4px 4px rgb(107, 111,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8336, 16.9290, 34.2260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 111, 157) }
```

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

```
.background{ background-color: rgb(107,  
111, 157) }
```

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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