

Converting Colors

XYZ(18.7661, 16.1709, 34.2047)

Have a look what the booklet for
XYZ(18.7661, 16.1709, 34.2047)
contains.

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Color

**XYZ(18.6818, 16.1279,
34.0266)**

Conversions

Conversions Part 1

Format	Color
Hex	78679D
RGB	120, 103, 157
RGB Percent	47%, 40%, 62%
CMY	0.5294, 0.5961, 0.3843
CMYK	0.24, 0.34, 0.00, 0.38
HSL	259°, 22%, 51%
HSV	259°, 34%, 62%
XYZ	18.6818, 16.1279, 34.0266
YIQ	114.2390, -7.2020, 20.3980

Conversions

Conversions Part 2

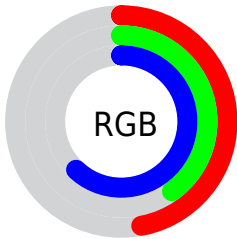
Format	Color
R_{YB}	120, 103, 157
Decimal	7890845
CIE _{Lab}	47.14, 18.55, -26.86
CIE _{LCh}	47, 32.640, 304.632
Yxy	16.1279, 0.2714, 0.2343
Android (android.graphics.Color)	4286080925 (0xFF78679D)
YUV	114.2390, 21.0812, 5.0524
Hunter-Lab	40.1596, 12.7571, -22.1239

Details

The XYZ color **18.6818, 16.1279, 34.0266** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.3207, 30.6690, 17.4178**, and the grayscale version is **16.0066, 16.8402, 18.3390**.

A 20% lighter version of the original color is **40.6728, 36.7489, 67.2369**, and **6.4898, 5.1504, 14.0167** is the 20% darker color. If you saturate the color by 10%, you get **15.8554, 12.5666, 33.4884**, and if you desaturate by 10%, it is **21.9702, 20.3634, 34.6711**.

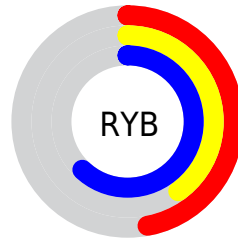
Distribution



Red (47%)

Green (40%)

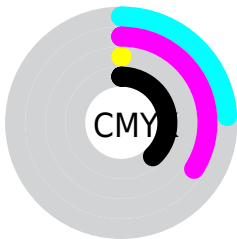
Blue (62%)



Red (47%)

Yellow (40%)

Blue (62%)

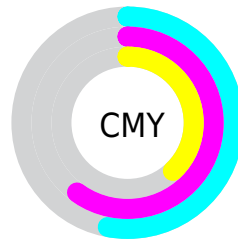


Cyan (24%)

Magenta (34%)

Yellow (0%)

Black (38%)



Cyan (53%)

Magenta (60%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6818, 16.1279, 34.0266 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 18.6818, 16.1279, 34.0266 by changing the saturation by 10% instead.

■ 18.6818, 16.1279,
34.0266

■ 18.6818, 16.1279,
34.0266

237.6584,
230.0952, 335.0234

■ 11.5432, 9.6147,
22.6365

■ 40.7168, 36.8201,
67.1094

■ 6.5034, 5.1443,
14.1226

■ 56.3439, 51.7679,
89.6392

■ 3.1971, 2.3321,
8.0662

■ 75.5312, 70.2960,
116.7193

■ 1.2588, 0.7906,
4.0490

■ 98.6441, 92.7889,
148.7682

■ 0.1521, 0.0000,
1.6523

126.0479,
119.6308, 186.2046

■ 0.0000, 0.0000,
0.3277

158.1080,

■ 0.0000, 0.0000,

151.2062, 229.4469

0.0000

195.1897,
187.8996, 278.9136

■ 18.6818, 16.1279,
34.0266

■ 18.6818, 16.1279,
34.0266

■ 15.8554, 12.5666,
33.4884

■ 21.9702, 20.3634,
34.6711

■ 13.4673, 9.6417,
33.0497

■ 25.7393, 25.3042,
35.4261

■ 11.4943, 7.3148,
32.7046

■ 30.0089, 30.9817,
36.2969

■ 9.9098, 5.5422,
32.4460

■ 34.7969, 37.4250,
37.2883

■ 8.6842, 4.2742,
32.2658

■ 40.1207, 44.6614,
38.4044

■ 7.7821, 3.4506,
32.1544

■ 45.9965, 52.7170,
39.6496

■ 7.3731, 3.0980,
32.1079

■ 52.4399, 61.6166,
41.0278

■ 59.4660, 71.3840,
42.5428

■ 67.0891, 82.0421,
44.1982

Harmonies

Analogous

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



15.7788, 16.1279, 38.4771



18.6818, 16.1279, 34.0266



20.8719, 16.1279, 25.2340

Triad

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



18.6818, 16.1279, 34.0266



17.8154, 16.1279, 6.8059



10.4629, 16.1279, 18.8672

Complementary

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



18.6818, 16.1279, 34.0266



25.3207, 30.6690, 17.4178

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.



10.8663, 16.1279, 11.6256



18.6818, 16.1279, 34.0266



14.8880, 16.1279, 6.0533

Square

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



18.6818, 16.1279, 34.0266



20.3295, 16.1279, 10.0269



12.4036, 16.1279, 7.5067



11.2242, 16.1279, 28.1531

Rectangle

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



18.6818, 16.1279, 34.0266



21.5017, 16.1279, 19.0800



12.4036, 16.1279, 7.5067



10.4677, 16.1279, 16.1240

Sweetspot

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



18.6824, 16.1285, 34.0270



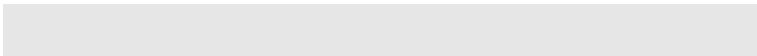
49.1974, 49.4247, 64.0737



21.1752, 24.3092, 35.4746



10.6108, 10.5905, 14.0553



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.



18.6824, 16.1285, 34.0270



29.6363, 24.0539, 60.2076



22.8261, 18.2647, 34.2209



6.4715, 6.5315, 8.3263



6.0230, 2.5340, 26.0789



0.1487, 0.0664, 0.4682

Inverse Universe

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



23.4889, 18.7626, 27.1948



39.6643, 29.5581, 45.5600



21.4191, 28.6576, 17.2352



6.8152, 6.7190, 7.8779



13.4903, 6.7007, 12.0990



0.2594, 0.1271, 0.3120

Previews

White Background



This preview shows how the XYZ color 18.6818, 16.1279, 34.0266 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 18.6818, 16.1279, 34.0266 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 18.6818, 16.1279, 34.0266

Background



This preview shows how black text looks on a background with the XYZ color 18.6818, 16.1279, 34.0266.



This preview shows how white text looks on a background with the XYZ color 18.6818, 16.1279,

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

18.6818, 16.1279, 34.0266

Protanopia

16.9061, 16.2291, 36.8918

Deuteranopia

16.5306, 16.2768, 33.2808



Tritanopia

15.8243, 16.2115, 19.7479

Trichromacy



Original Color

18.6818, 16.1279, 34.0266

Protanomaly

17.3996, 16.0317, 35.8956

Deuteranomaly

17.1890, 16.1287, 33.6597

Tritanomaly

16.7987, 16.1316, 24.4186

Monochromacy



Original Color

18.6818, 16.1279, 34.0266

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.8077, 16.4766, 23.4135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6818, 16.1279, 34.0266 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(120, 103, 157)` looks like.

```
.text, #text, p{  
    color:rgb(120, 103, 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(120, 103, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 103, 157) }
```

Border

The CSS property to change the border of an element to XYZ 18.6818, 16.1279, 34.0266 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(120, 103, 157) }
```


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

```
.border{ border-color:rgb(120, 103, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 103, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 103, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 103, 157); box-shadow:4px 4px 4px 4px rgb(120, 103, 157) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6818, 16.1279, 34.0266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 103, 157) }
```

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

```
.background{ background-color: rgb(120,  
103, 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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