

Converting Colors

XYZ(18.1634, 16.0540, 32.2784)

Have a look what the booklet for
XYZ(18.1634, 16.0540, 32.2784)
contains.

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Color

**XYZ(18.1713, 16.0521,
32.2776)**

Conversions

Conversions Part 1

Format	Color
Hex	766899
RGB	118, 104, 153
RGB Percent	46%, 41%, 60%
CMY	0.5372, 0.5921, 0.4000
CMYK	0.23, 0.32, 0.00, 0.40
HSL	257°, 19%, 50%
HSV	257°, 32%, 60%
XYZ	18.1713, 16.0521, 32.2776
YIQ	113.7720, -7.3850, 18.2070

Conversions

Conversions Part 2

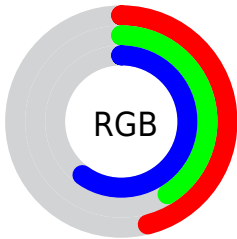
Format	Color
R_{YB}	118, 104, 153
Decimal	7760025
CIE _{Lab}	47.04, 16.30, -24.66
CIE _{LCh}	47, 29.563, 303.469
Yxy	16.0521, 0.2732, 0.2414
Android (android.graphics.Color)	4285950105 (0xFF766899)
YUV	113.7720, 19.3394, 3.7080
Hunter-Lab	40.0651, 10.8438, -19.7202

Details

The XYZ color **18.1713, 16.0521, 32.2776** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.5378, 29.2713, 17.4540**, and the grayscale version is **15.8720, 16.6986, 18.1847**.

A 20% lighter version of the original color is **39.9011, 36.6547, 64.6466**, and **6.2453, 5.1145, 13.2284** is the 20% darker color. If you saturate the color by 10%, you get **15.3697, 12.5256, 31.7448**, and if you desaturate by 10%, it is **21.4254, 20.2274, 32.9123**.

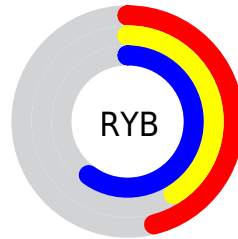
Distribution



Red (46%)

Green (41%)

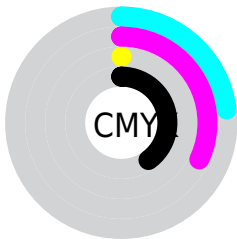
Blue (60%)



Red (46%)

Yellow (41%)

Blue (60%)

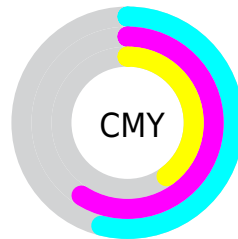


Cyan (23%)

Magenta (32%)

Yellow (0%)

Black (40%)



Cyan (54%)

Magenta (59%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1713, 16.0521, 32.2776 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 18.1713, 16.0521, 32.2776 by changing the saturation by 10% instead.

■ 18.1713, 16.0521,
32.2776

■ 18.1713, 16.0521,
32.2776

234.8618,
229.6490, 326.9135

■ 11.1735, 9.5610,
21.3070

■ 39.8568, 36.6886,
64.3490

■ 6.2518, 5.1089,
13.1552

■ 55.2752, 51.6029,
86.2869

■ 3.0409, 2.3113,
7.4035

■ 74.2311, 70.0936,
112.7177

■ 1.1754, 0.7797,
3.6335

■ 97.0900, 92.5453,
144.0599

■ 0.0868, 0.0000,
1.4265

124.2171,
119.3423, 180.7320

■ 0.0000, 0.0000,
0.1623

155.9779,

■ 0.0000, 0.0000,

150.8689, 223.1526

0.0000

192.7377,
187.5097, 271.7403

■ 18.1713, 16.0521,
32.2776

■ 18.1713, 16.0521,
32.2776

■ 15.3697, 12.5256,
31.7448

■ 21.4254, 20.2274,
32.9123

■ 12.9980, 9.6127,
31.3076

■ 25.1499, 25.0804,
33.6527

■ 11.0340, 7.2778,
30.9604

■ 29.3638, 30.6406,
34.5038

■ 9.4527, 5.4806,
30.6969

■ 34.0843, 36.9351,
35.4700

■ 8.2262, 4.1756,
30.5096

■ 39.3280, 43.9897,
36.5553

■ 7.3222, 3.3093,
30.3901

■ 45.1105, 51.8287,
37.7636

■ 6.7763, 2.8291,
30.3262

■ 51.4470, 60.4756,
39.0986

■ 58.3518, 69.9526,
40.5640

■ 65.8390, 80.2814,
42.1630

Harmonies

Analogous

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



15.5604, 16.0521, 35.9273



18.1713, 16.0521, 32.2776



20.1600, 16.0521, 24.6534

Triad

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



18.1713, 16.0521, 32.2776



17.5911, 16.0521, 7.5717



10.8068, 16.0521, 18.3553

Complementary

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



18.1713, 16.0521, 32.2776



24.5378, 29.2713, 17.4540

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.



11.2214, 16.0521, 11.8504



18.1713, 16.0521, 32.2776



14.9577, 16.0521, 6.7578

Square

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



18.1713, 16.0521, 32.2776



19.7993, 16.0521, 10.7338



12.6723, 16.0521, 8.0766



11.4687, 16.0521, 26.5816

Rectangle

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



18.1713, 16.0521, 32.2776



20.7583, 16.0521, 19.1507



12.6723, 16.0521, 8.0766



10.8252, 16.0521, 15.9057

Sweetspot

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



18.1718, 16.0527, 32.2780



46.3528, 46.6392, 60.5312



20.7087, 23.7425, 33.6285



10.0309, 10.0301, 13.3248



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



18.1718, 16.0527, 32.2780



29.0813, 24.3756, 57.1442



21.9218, 17.9859, 32.4535



6.0420, 6.1075, 7.7894



5.6299, 2.3534, 25.0652



0.1166, 0.0519, 0.3762

Inverse Universe

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



22.7478, 18.5376, 26.8058



38.6154, 29.5599, 45.4251



20.9103, 27.4012, 17.2843



6.3859, 6.2935, 7.4124



13.1663, 6.5208, 12.6668



0.2122, 0.1036, 0.2703

Previews

White Background



This preview shows how the XYZ color 18.1713, 16.0521, 32.2776 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 18.1713, 16.0521, 32.2776 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 18.1713, 16.0521, 32.2776

Background



This preview shows how black text looks on a background with the XYZ color 18.1713, 16.0521, 32.2776.



This preview shows how white text looks on a background with the XYZ color 18.1713, 16.0521,

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

18.1713, 16.0521, 32.2776

Protanopia

16.6773, 16.1619, 34.5883

Deuteranopia

16.4990, 16.1282, 31.9492



Tritanopia

15.6963, 16.1455, 19.7419

Trichromacy



Original Color

18.1713, 16.0521, 32.2776

Protanomaly

17.1890, 16.1287, 33.6597

Deuteranomaly

17.0935, 16.1179, 31.9159

Tritanomaly

16.3987, 15.9412, 23.6854

Monochromacy



Original Color

18.1713, 16.0521, 32.2776

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.5424, 16.3552, 22.7071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1713, 16.0521, 32.2776 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(118, 104, 153)` looks like.

```
.text, #text, p{  
    color:rgb(118, 104, 153)  
}
```

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(118, 104, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 104, 153) }
```

Border

The CSS property to change the border of an element to XYZ 18.1713, 16.0521, 32.2776 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(118, 104, 153) }
```


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

```
.border{ border-color:rgb(118, 104, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 104, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 104, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 104, 153);  
box-shadow:4px 4px 4px 4px rgb(118, 104,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1713, 16.0521, 32.2776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 104, 153) }
```

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

```
.background{ background-color: rgb(118,  
104, 153) }
```

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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