

Converting Colors

XYZ(18.1626, 16.1492, 34.5076)

Have a look what the booklet for
XYZ(18.1626, 16.1492, 34.5076)
contains.

XYZ(18.1626, 16.1492, 34.5076)	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(18.1626, 16.1492,
34.5076)**

Conversions

Conversions Part 1

Format	Color
Hex	72699E
RGB	114, 105, 158
RGB Percent	45%, 41%, 62%
CMY	0.5529, 0.5882, 0.3804
CMYK	0.28, 0.34, 0.00, 0.38
HSL	250°, 21%, 52%
HSV	250°, 34%, 62%
XYZ	18.1626, 16.1492, 34.5076
YIQ	113.7330, -11.6490, 18.3910

Conversions

Conversions Part 2

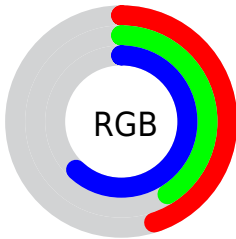
Format	Color
R_{YB}	114, 105, 158
Decimal	7498142
CIE Lab	47.17, 15.71, -27.45
CIE LCh	47, 31.624, 299.789
Yxy	16.1492, 0.2639, 0.2347
Android (android.graphics.Color)	4285688222 (0xFF72699E)
YUV	113.7330, 21.8236, 0.2342
Hunter-Lab	40.1861, 10.3497, -22.7818

Details

The XYZ color **18.1626, 16.1492, 34.5076** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.1714, 31.8635, 18.0834**, and the grayscale version is **15.8541, 16.6797, 18.1642**.

A 20% lighter version of the original color is **39.8351, 36.7965, 67.9537**, and **6.2289, 5.1567, 14.3027** is the 20% darker color. If you saturate the color by 10%, you get **15.1149, 12.4072, 33.9462**, and if you desaturate by 10%, it is **21.7552, 20.6166, 35.1808**.

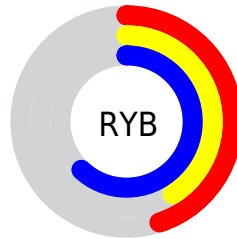
Distribution



Red (45%)

Green (41%)

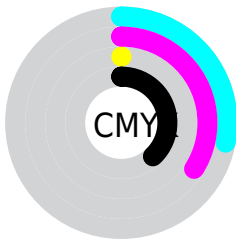
Blue (62%)



Red (45%)

Yellow (41%)

Blue (62%)

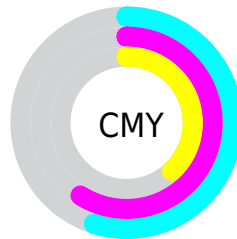


Cyan (28%)

Magenta (34%)

Yellow (0%)

Black (38%)



Cyan (55%)

Magenta (59%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1626, 16.1492, 34.5076 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 18.1626, 16.1492, 34.5076 by changing the saturation by 10% instead.

■ 18.1626, 16.1492,
34.5076

■ 18.1626, 16.1492,
34.5076

234.8138,
230.2205, 337.2275

■ 11.1672, 9.6298,
23.0033

■ 39.8421, 36.8570,
67.8651

■ 6.2475, 5.1542,
14.3906

■ 55.2569, 51.8142,
90.5555

■ 3.0383, 2.3380,
8.2510

■ 74.2089, 70.3528,
117.8116

■ 1.1740, 0.7937,
4.1659

■ 97.0634, 92.8572,
150.0520

■ 0.0857, 0.0000,
1.7168

124.1858,
119.7118, 187.6953

■ 0.0000, 0.0000,
0.3722

155.9414,

■ 0.0000, 0.0000,

151.3009, 231.1599

0.0000

192.6957,
188.0090, 280.8645

■ 18.1626, 16.1492,
34.5076

■ 18.1626, 16.1492,
34.5076

■ 15.1149, 12.4072,
33.9462

■ 21.7552, 20.6166,
35.1808

■ 12.5833, 9.3502,
33.4896

■ 25.9159, 25.8431,
35.9704

■ 10.5392, 6.9366,
33.1315

■ 30.6689, 31.8627,
36.8817

■ 8.9501, 5.1197,
32.8645

■ 36.0363, 38.7067,
37.9199

■ 7.7798, 3.8461,
32.6804

■ 42.0390, 46.4045,
39.0893

■ 6.9857, 3.0527,
32.5691

■ 48.6972, 54.9845,
40.3945

■ 6.6192, 2.6994,
32.5202

■ 56.0297, 64.4733,
41.8396

■ 64.0551, 74.8967,
43.4285

■ 72.7910, 86.2793,
45.1651

Harmonies

Analogous

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



15.3296, 16.1492, 37.7781



18.1626, 16.1492, 34.5076



20.4505, 16.1492, 26.4718

Triad

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



18.1626, 16.1492, 34.5076



18.2008, 16.1492, 7.3908



10.5983, 16.1492, 17.5274

Complementary

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



18.1626, 16.1492, 34.5076



27.1714, 31.8635, 18.0834

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.



11.1759, 16.1492, 10.9478



18.1626, 16.1492, 34.5076



15.3690, 16.1492, 6.2839

Square

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



18.1626, 16.1492, 34.5076



20.4744, 16.1492, 11.0192



12.8427, 16.1492, 7.3592



11.1600, 16.1492, 26.3437

Rectangle

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



18.1626, 16.1492, 34.5076



21.2374, 16.1492, 20.4412



12.8427, 16.1492, 7.3592



10.6646, 16.1492, 15.0058

Sweetspot

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



18.1632, 16.1498, 34.5080



49.8306, 50.4270, 65.8505



22.7716, 27.0200, 36.3632



10.9841, 11.0525, 14.7981



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.1632, 16.1498, 34.5080



28.8811, 24.2807, 61.9079



22.0951, 18.1768, 34.6920



6.3845, 6.4867, 8.3222



5.3254, 2.1744, 26.0462



0.1209, 0.0521, 0.4669

Inverse Universe

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



24.5774, 19.5427, 30.9108



42.3776, 31.4273, 54.0041



22.8979, 29.6605, 17.8834



6.8558, 6.7352, 8.0916



14.5959, 7.1429, 17.9209



0.2727, 0.1324, 0.3819

Previews

White Background



This preview shows how the XYZ color 18.1626, 16.1492, 34.5076 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 18.1626, 16.1492, 34.5076 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 18.1626, 16.1492, 34.5076

Background



This preview shows how black text looks on a background with the XYZ color 18.1626, 16.1492, 34.5076.



This preview shows how white text looks on a background with the XYZ color 18.1626, 16.1492,

34.5076.

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

18.1626, 16.1492, 34.5076

Protanopia

16.8168, 16.1934, 36.4217

Deuteranopia

16.5941, 16.2900, 34.1680



Tritanopia

15.3088, 16.0946, 20.3889

Trichromacy



Original Color

18.1626, 16.1492, 34.5076

Protanomaly

17.2751, 16.1231, 35.9198

Deuteranomaly

17.1480, 16.2552, 34.1321

Tritanomaly

16.2021, 15.9735, 24.7835

Monochromacy



Original Color

18.1626, 16.1492, 34.5076

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.6531, 16.5580, 23.4374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1626, 16.1492, 34.5076 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(114, 105, 158)` looks like.

```
.text, #text, p{  
    color:rgb(114, 105, 158)  
}
```

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(114, 105, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 105, 158) }
```

Border

The CSS property to change the border of an element to XYZ 18.1626, 16.1492, 34.5076 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(114, 105, 158) }
```


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

```
.border{ border-color:rgb(114, 105, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 105, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 105, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 105, 158);  
box-shadow:4px 4px 4px 4px rgb(114, 105,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1626, 16.1492, 34.5076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 105, 158) }
```

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

```
.background{ background-color: rgb(114,  
105, 158) }
```

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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