

Converting Colors

XYZ(18.0664, 14.8130, 34.6686)

Have a look what the booklet for
XYZ(18.0664, 14.8130, 34.6686)
contains.

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Color

**XYZ(18.0486, 14.7909,
34.7045)**

Conversions

Conversions Part 1

Format	Color
Hex	77609F
RGB	119, 96, 159
RGB Percent	47%, 38%, 62%
CMY	0.5333, 0.6235, 0.3765
CMYK	0.25, 0.40, 0.00, 0.38
HSL	262°, 25%, 50%
HSV	262°, 40%, 62%
XYZ	18.0486, 14.7909, 34.7045
YIQ	110.0590, -6.5150, 24.4690

Conversions

Conversions Part 2

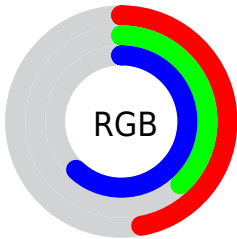
Format	Color
R_{YB}	119, 96, 159
Decimal	7823519
CIE Lab	45.35, 22.97, -30.85
CIE LCh	45, 38.458, 306.667
Yxy	14.7909, 0.2672, 0.2190
Android (android.graphics.Color)	4286013599 (0xFF77609F)
YUV	110.0590, 24.1279, 7.8413
Hunter-Lab	38.4589, 16.4661, -26.5807

Details

The XYZ color **18.0486, 14.7909, 34.7045** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.6632, 30.8754, 15.7266**, and the grayscale version is **14.7727, 15.5420, 16.9253**.

A 20% lighter version of the original color is **39.5846, 34.4931, 68.1898**, and **6.2064, 4.5234, 14.4559** is the 20% darker color. If you saturate the color by 10%, you get **15.4294, 11.5008, 34.2078**, and if you desaturate by 10%, it is **21.1095, 18.7448, 35.3066**.

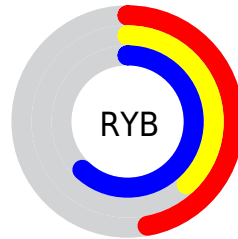
Distribution



Red (47%)

Green (38%)

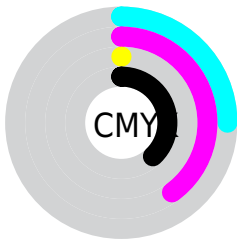
Blue (62%)



Red (47%)

Yellow (38%)

Blue (62%)

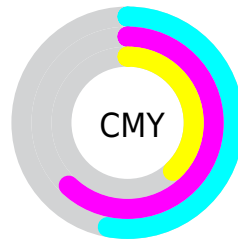


Cyan (25%)

Magenta (40%)

Yellow (0%)

Black (38%)



Cyan (53%)

Magenta (62%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0486, 14.7909, 34.7045 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 18.0486, 14.7909, 34.7045 by changing the saturation by 10% instead.

■ 18.0486, 14.7909,
34.7045

■ 18.0486, 14.7909,
34.7045

234.1851,
222.0971, 338.1266

■ 11.0848, 8.6728,
23.1536

■ 39.6496, 34.4859,
68.1741

■ 6.1916, 4.5284,
14.5006

■ 55.0174, 48.8316,
90.9299

■ 3.0037, 1.9733,
8.3270

■ 73.9173, 66.6886,
118.2577

■ 1.1557, 0.5919,
4.2141

■ 96.7146, 88.4413,
150.5762

■ 0.0710, 0.0000,
1.7435

123.7747,
114.4741, 188.3037

■ 0.0000, 0.0000,
0.3903

155.4629,

■ 0.0000, 0.0000,

145.1714, 231.8590

0.0000

192.1446,
180.9176, 281.6604

■ 18.0486, 14.7909,
34.7045

■ 18.0486, 14.7909,
34.7045

■ 15.4294, 11.5008,
34.2078

■ 21.1095, 18.7448,
35.3066

■ 13.2279, 8.8349,
33.8092

■ 24.6311, 23.3957,
36.0187

■ 11.4200, 6.7518,
33.5024

■ 28.6333, 28.7764,
36.8464

■ 9.9784, 5.2041,
33.2797

■ 33.1342, 34.9174,
37.7945

■ 8.8716, 4.1368,
33.1320

■ 38.1510, 41.8472,
38.8676

■ 8.0346, 3.4288,
33.0394

■ 43.7000, 49.5929,
40.0702

■ 8.0057, 3.4042,
33.0362

■ 49.7969, 58.1803,
41.4064

■ 56.4564, 67.6340,
42.8802

■ 63.6930, 77.9775,
44.4953

Harmonies

Analogous

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



14.7826, 14.7909, 40.6126



18.0486, 14.7909, 34.7045



20.4762, 14.7909, 24.1125

Triad

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



18.0486, 14.7909, 34.7045



16.6304, 14.7909, 4.7604



8.8036, 14.7909, 18.2317

Complementary

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



18.0486, 14.7909, 34.7045



24.6632, 30.8754, 15.7266

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.



9.1447, 14.7909, 10.1009



18.0486, 14.7909, 34.7045



13.3581, 14.7909, 4.1993

Square

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



18.0486, 14.7909, 34.7045



19.5747, 14.7909, 7.7273



10.7043, 14.7909, 5.7241



9.6899, 14.7909, 29.0378

Rectangle

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



18.0486, 14.7909, 34.7045



21.1139, 14.7909, 17.1477



10.7043, 14.7909, 5.7241



8.7809, 14.7909, 15.1050

Sweetspot

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



18.0491, 14.7915, 34.7048



49.3260, 48.8944, 65.5813



20.0209, 22.8676, 36.1598



10.9216, 10.7550, 14.7440



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.



18.0491, 14.7915, 34.7048



27.9397, 20.9767, 61.3198



22.9363, 17.3109, 34.9336



6.5020, 6.5473, 8.3277



6.3658, 2.7107, 26.0949



0.1583, 0.0714, 0.4687

Inverse Universe

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



22.9253, 17.5148, 25.4654



38.1960, 26.7166, 41.3501



20.3886, 28.6717, 15.5266



6.8013, 6.7134, 7.8048



13.1671, 6.5714, 10.3968



0.2551, 0.1254, 0.2897

Previews

White Background



This preview shows how the XYZ color 18.0486, 14.7909, 34.7045 looks on a white background.

Color Contrast Check

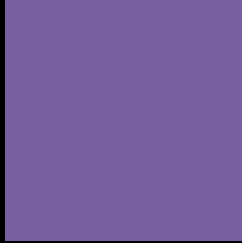
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0486, 14.7909, 34.7045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

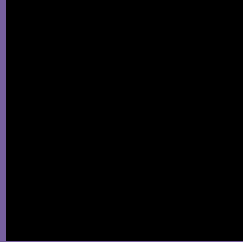
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.0486, 14.7909, 34.7045

Background



This preview shows how black text looks on a background with the XYZ color 18.0486, 14.7909, 34.7045.



This preview shows how white text looks on a background with the XYZ color 18.0486, 14.7909,

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

18.0486, 14.7909, 34.7045

Protanopia

15.7729, 14.8245, 38.5893

Deuteranopia

15.2740, 14.9759, 33.9839



Tritanopia

14.7468, 14.9025, 18.0188

Trichromacy



Original Color

18.0486, 14.7909, 34.7045

Protanomaly

16.3820, 14.7245, 37.1006

Deuteranomaly

16.1674, 14.8218, 34.3565

Tritanomaly

15.7201, 14.6919, 23.1264

Monochromacy



Original Color

18.0486, 14.7909, 34.7045

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.7579, 15.1724, 22.5201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0486, 14.7909, 34.7045 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(119, 96, 159)` looks like.

```
.text, #text, p{  
    color:rgb(119, 96, 159)  
}
```

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(119, 96, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 96, 159) }
```

Border

The CSS property to change the border of an element to XYZ 18.0486, 14.7909, 34.7045 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(119, 96, 159) }
```


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

```
.border{ border-color:rgb(119, 96, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 96, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 96, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 96, 159);  
box-shadow:4px 4px 4px 4px rgb(119, 96,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0486, 14.7909, 34.7045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 96, 159) }
```

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

```
.background{ background-color: rgb(119, 96,  
159) }
```

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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