

Converting Colors

XYZ(18.5185, 15.2984, 28.9634)

Have a look what the booklet for
XYZ(18.5185, 15.2984, 28.9634)
contains.

XYZ(18.4388, 15.2608, 28.7619)	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(18.4388, 15.2608,
28.7619)**

Conversions

Conversions Part 1

Format	Color
Hex	816191
RGB	129, 97, 145
RGB Percent	51%, 38%, 57%
CMY	0.4941, 0.6196, 0.4314
CMYK	0.11, 0.33, 0.00, 0.43
HSL	280°, 20%, 47%
HSV	280°, 33%, 57%
XYZ	18.4388, 15.2608, 28.7619
YIQ	112.0400, 3.6640, 21.7120

Conversions

Conversions Part 2

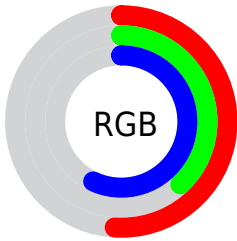
Format	Color
R_{YB}	129, 97, 145
Decimal	8479121
CIE _{Lab}	45.99, 22.25, -21.45
CIE _{LCh}	46, 30.905, 316.052
Yxy	15.2608, 0.2952, 0.2443
Android (android.graphics.Color)	4286669201 (0xFF816191)
YUV	112.0400, 16.2493, 14.8739
Hunter-Lab	39.0651, 15.8885, -16.3071

Details

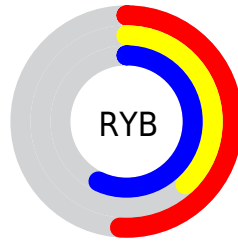
The XYZ color **18.4388, 15.2608, 28.7619** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.0935, 24.6249, 15.0566**, and the grayscale version is **15.3663, 16.1665, 17.6054**.

A 20% lighter version of the original color is **40.1901, 35.2484, 58.7182**, and **6.3854, 4.7516, 11.1703** is the 20% darker color. If you saturate the color by 10%, you get **16.5027, 12.4526, 28.3221**, and if you desaturate by 10%, it is **20.6555, 18.5780, 29.2856**.

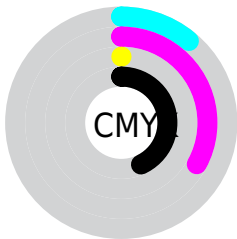
Distribution



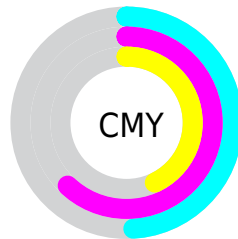
- Red (51%)
- Green (38%)
- Blue (57%)



- Red (51%)
- Yellow (38%)
- Blue (57%)



- Cyan (11%)
- Magenta (33%)
- Yellow (0%)
- Black (43%)



- Cyan (49%)
- Magenta (62%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4388, 15.2608, 28.7619 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 18.4388, 15.2608, 28.7619 by changing the saturation by 10% instead.

■ 18.4388, 15.2608,
28.7619

■ 18.4388, 15.2608,
28.7619

236.3309,
224.9394, 310.1156

■ 11.3671, 9.0026,
18.6567

■ 40.3079, 35.3101,
58.7362

■ 6.3834, 4.7429,
11.2482

■ 55.8359, 49.8699,
79.4425

■ 3.1224, 2.0972,
6.1178

■ 74.9135, 67.9658,
104.5196

■ 1.2188, 0.6631,
2.8469

■ 97.9058, 89.9821,
134.3860

■ 0.1212, 0.0000,
1.0170

125.1784,
116.3032, 169.4602

■ 0.0000, 0.0000,
0.0000

157.0965,

147.3136, 210.1609

194.0256,
183.3975, 256.9065

■ 18.4388, 15.2608,
28.7619

■ 18.4388, 15.2608,
28.7619

■ 16.5027, 12.4526,
28.3221

■ 20.6555, 18.5780,
29.2856

■ 14.8320, 10.1246,
27.9608

■ 23.1642, 22.4272,
29.8963

■ 13.4119, 8.2477,
27.6734

■ 25.9773, 26.8322,
30.5983

■ 12.2257, 6.7893,
27.4544

■ 29.1061, 31.8151,
31.3952

■ 11.2543, 5.7118,
27.2977

■ 32.5612, 37.3964,
32.2904

10.4752, 4.9709,
27.1957

36.3528, 43.5957,
33.2872

10.0053, 4.5675,
27.1426

40.4905, 50.4319,
34.3886

44.9837, 57.9228,
35.5977

49.8412, 66.0856,
36.9172

Harmonies

Analogous

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



15.9417, 15.2608, 34.6749



18.4388, 15.2608, 28.7619



19.9585, 15.2608, 20.3386

Triad

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



18.4388, 15.2608, 28.7619



15.7522, 15.2608, 6.1856



10.1858, 15.2608, 20.9294

Complementary

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



18.4388, 15.2608, 28.7619



19.0935, 24.6249, 15.0566

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.



10.1480, 15.2608, 13.3786



18.4388, 15.2608, 28.7619



13.1572, 15.2608, 6.2568

Square

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



18.4388, 15.2608, 28.7619



18.2858, 15.2608, 8.2490



11.1746, 15.2608, 8.4860



11.2848, 15.2608, 29.3050

Rectangle

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



18.4388, 15.2608, 28.7619



20.1078, 15.2608, 15.1425



11.1746, 15.2608, 8.4860



10.0535, 15.2608, 18.1831

Sweetspot

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



18.4393, 15.2614, 28.7622



42.8841, 42.3420, 53.8861



15.9462, 16.3965, 29.1127



9.4042, 9.2079, 11.9539



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



18.4393, 15.2614, 28.7622



30.2976, 23.3642, 50.8864



20.4675, 16.3758, 25.7494



5.4540, 5.4222, 6.7879



8.6100, 3.9322, 23.2823



0.1058, 0.0497, 0.2237

Inverse Universe

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



18.9328, 15.7619, 17.6677



31.4566, 24.4859, 27.2574



17.6054, 23.8125, 17.0335



5.4784, 5.4519, 6.0173



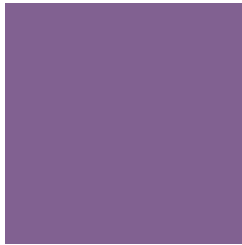
10.4904, 5.3532, 2.9680



0.1097, 0.0550, 0.0780

Previews

White Background



This preview shows how the XYZ color 18.4388, 15.2608, 28.7619 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 18.4388, 15.2608, 28.7619 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 18.4388, 15.2608, 28.7619

Background



This preview shows how black text looks on a background with the XYZ color 18.4388, 15.2608, 28.7619.



This preview shows how white text looks on a background with the XYZ color 18.4388, 15.2608,

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

18.4388, 15.2608, 28.7619

Protanopia

15.8316, 15.4579, 32.2863

Deuteranopia

15.5824, 15.2653, 28.1118



Tritanopia

16.1871, 15.3556, 17.4400

Trichromacy



Original Color

18.4388, 15.2608, 28.7619

Protanomaly

16.5187, 15.2284, 30.9229

Deuteranomaly

16.4398, 15.0936, 28.4324

Tritanomaly

16.8960, 15.1982, 21.1118

Monochromacy



Original Color

18.4388, 15.2608, 28.7619

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.3670, 15.8222, 21.2601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4388, 15.2608, 28.7619 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(129, 97, 145)` looks like.

```
.text, #text, p{  
    color:rgb(129, 97, 145)  
}
```

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(129, 97, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 97, 145) }
```

Border

The CSS property to change the border of an element to XYZ 18.4388, 15.2608, 28.7619 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(129, 97, 145) }
```


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

```
.border{ border-color:rgb(129, 97, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 97, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 97, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 97, 145);  
box-shadow:4px 4px 4px 4px rgb(129, 97,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4388, 15.2608, 28.7619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 97, 145) }
```

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

```
.background{ background-color: rgb(129, 97,  
145) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor