

Converting Colors

XYZ(18.4418, 13.9469, 28.3304)

Have a look what the booklet for
XYZ(18.4418, 13.9469, 28.3304)
contains.

XYZ(18.5107, 14.0116, 28.5170)	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(18.5107, 14.0116,
28.5170)**

Conversions

Conversions Part 1

Format	Color
Hex	875791
RGB	135, 87, 145
RGB Percent	53%, 34%, 57%
CMY	0.4706, 0.6588, 0.4314
CMYK	0.07, 0.40, 0.00, 0.43
HSL	290°, 25%, 45%
HSV	290°, 40%, 57%
XYZ	18.5107, 14.0116, 28.5170
YIQ	107.9640, 9.9900, 28.2140

Conversions

Conversions Part 2

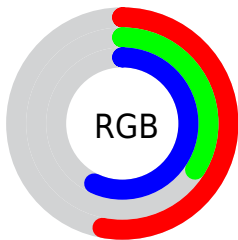
Format	Color
R_{YB}	135, 87, 145
Decimal	8869777
CIE Lab	44.25, 30.13, -24.08
CIE LCh	44, 38.568, 321.361
Yxy	14.0116, 0.3033, 0.2296
Android (android.graphics.Color)	4287059857 (0xFF875791)
YUV	107.9640, 18.2587, 23.7106
Hunter-Lab	37.4321, 22.7647, -18.9666

Details

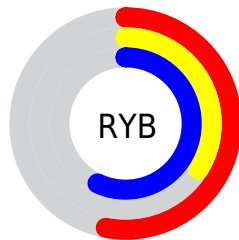
The XYZ color **18.5107, 14.0116, 28.5170** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **16.7759, 23.4807, 12.6655**, and the grayscale version is **14.1927, 14.9318, 16.2607**.

A 20% lighter version of the original color is **40.3835, 33.1193, 58.2970**, and **6.4353, 4.2106, 11.0632** is the 20% darker color. If you saturate the color by 10%, you get **17.0552, 11.6904, 28.1459**, and if you desaturate by 10%, it is **20.2124, 16.8105, 28.9678**.

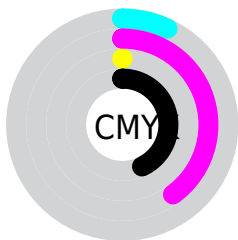
Distribution



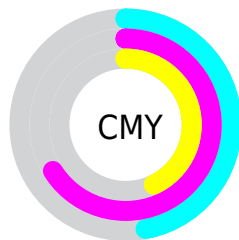
- Red (53%)
- Green (34%)
- Blue (57%)



- Red (53%)
- Yellow (34%)
- Blue (57%)



- Cyan (7%)
- Magenta (40%)
- Yellow (0%)
- Black (43%)



- Cyan (47%)
- Magenta (66%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5107, 14.0116, 28.5170 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 18.5107, 14.0116, 28.5170 by changing the saturation by 10% instead.

18.5107, 14.0116,
28.5170

18.5107, 14.0116,
28.5170

236.7244,
217.3030, 308.9185

11.4192, 8.1287,
18.4733

40.4289, 33.1096,
58.3418

6.4189, 4.1774,
11.1174

55.9864, 47.0935,
78.9600

3.1445, 1.7733,
6.0307

75.0964, 64.5466,
103.9401

1.2306, 0.4705,
2.7947

98.1246, 85.8532,
133.7007

0.1303, 0.0000,
0.9908

125.4360,
111.3978, 168.6603

0.0000, 0.0000,
0.0000

157.3963,

141.5647, 209.2374

194.3706,
176.7383, 255.8506

■ 18.5107, 14.0116,
28.5170

■ 18.5107, 14.0116,
28.5170

■ 17.0552, 11.6904,
28.1459

■ 20.2124, 16.8105,
28.9678

■ 15.8302, 9.8167,
27.8488

■ 22.1720, 20.1114,
29.5016

■ 14.8204, 8.3595,
27.6207

■ 24.4021, 23.9390,
30.1229

■ 14.0079, 7.2833,
27.4558

■ 26.9140, 28.3159,
30.8353

■ 13.3720, 6.5464,
27.3471

■ 29.7184, 33.2635,
31.6425

12.8568, 6.0376,
27.2761

32.8254, 38.8018,
32.5477

12.8567, 6.0375,
27.2760

36.2447, 44.9501,
33.5543

39.9854, 51.7265,
34.6651

44.0563, 59.1486,
35.8831

Harmonies

Analogous

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



15.5979, 14.0116, 37.1850



18.5107, 14.0116, 28.5170



20.0873, 14.0116, 17.9537

Triad

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



18.5107, 14.0116, 28.5170



14.2289, 14.0116, 3.8682



8.5207, 14.0116, 22.3208

Complementary

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



18.5107, 14.0116, 28.5170



16.7759, 23.4807, 12.6655

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.



8.2706, 14.0116, 12.8435



18.5107, 14.0116, 28.5170



11.2712, 14.0116, 4.2719

Square

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



18.5107, 14.0116, 28.5170



17.3768, 14.0116, 5.4602



9.1998, 14.0116, 6.9153



9.9456, 14.0116, 32.7511

Rectangle

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



18.5107, 14.0116, 28.5170



20.0230, 14.0116, 12.1476



9.1998, 14.0116, 6.9153



8.3062, 14.0116, 18.8546

Sweetspot

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



18.5112, 14.0122, 28.5173



42.7575, 41.2428, 53.6806



13.3753, 12.7381, 28.5421



9.4099, 8.9993, 11.9133



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.



18.5112, 14.0122, 28.5173



30.7841, 21.3135, 50.4650



18.8926, 14.3595, 21.7300



5.5363, 5.4647, 6.7918



11.0466, 5.1883, 23.3963



0.1212, 0.0576, 0.2244

Inverse Universe

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



17.2434, 13.6998, 13.0453



28.3137, 20.7481, 18.3547



16.6251, 23.3049, 17.0863



5.4445, 5.4383, 5.8387



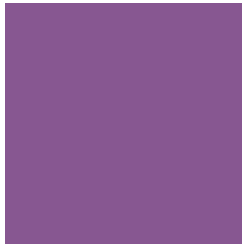
10.1735, 5.2264, 1.2991



0.1030, 0.0523, 0.0425

Previews

White Background



This preview shows how the XYZ color 18.5107, 14.0116, 28.5170 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 18.5107, 14.0116, 28.5170 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 18.5107, 14.0116, 28.5170

Background



This preview shows how black text looks on a background with the XYZ color 18.5107, 14.0116, 28.5170.



This preview shows how white text looks on a background with the XYZ color 18.5107, 14.0116,

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

18.5107, 14.0116, 28.5170

Protanopia

14.8596, 14.1476, 34.2953

Deuteranopia

14.3488, 14.0332, 27.5436



Tritanopia

15.6843, 14.0121, 14.7099

Trichromacy



Original Color

18.5107, 14.0116, 28.5170

Protanomaly

15.7334, 13.7924, 31.9699

Deuteranomaly

15.5393, 13.7838, 27.8281

Tritanomaly

16.5444, 13.9620, 18.9625

Monochromacy



Original Color

18.5107, 14.0116, 28.5170

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.4796, 14.3464, 20.0424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5107, 14.0116, 28.5170 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(135, 87, 145)` looks like.

```
.text, #text, p{  
    color:rgb(135, 87, 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(135, 87, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 87, 145) }
```

Border

The CSS property to change the border of an element to XYZ 18.5107, 14.0116, 28.5170 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(135, 87, 145) }
```


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

```
.border{ border-color:rgb(135, 87, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 87, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 87, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 87, 145);  
box-shadow:4px 4px 4px 4px rgb(135, 87,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5107, 14.0116, 28.5170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 87, 145) }
```

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

```
.background{ background-color: rgb(135, 87,  
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