

Converting Colors

XYZ(14.9457, 13.9150, 28.5496)

Have a look what the booklet for
XYZ(14.9457, 13.9150, 28.5496)
contains.

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Color

**XYZ(14.9235, 13.8680,
28.6783)**

Conversions

Conversions Part 1

Format	Color
Hex	646491
RGB	100, 100, 145
RGB Percent	39%, 39%, 57%
CMY	0.6078, 0.6078, 0.4314
CMYK	0.31, 0.31, 0.00, 0.43
HSL	240°, 18%, 48%
HSV	240°, 31%, 57%
XYZ	14.9235, 13.8680, 28.6783
YIQ	105.1300, -14.4450, 13.9950

Conversions

Conversions Part 2

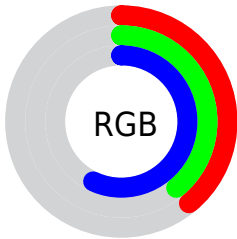
Format	Color
RYB	100, 100, 145
Decimal	6579345
CIELab	44.04, 10.94, -24.68
CIELCh	44, 26.994, 293.897
Yxy	13.8680, 0.2597, 0.2413
Android (android.graphics.Color)	4284769425 (0xFF646491)
YUV	105.1300, 19.6559, -4.4990
Hunter-Lab	37.2398, 6.3627, -19.5913

Details

The XYZ color **14.9235, 13.8680, 28.6783** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.1029, 27.1907, 16.0350**, and the grayscale version is **13.4140, 14.1126, 15.3686**.

A 20% lighter version of the original color is **34.3243, 32.9321, 58.5803**, and **4.7048, 4.1503, 11.1428** is the 20% darker color. If you saturate the color by 10%, you get **12.1911, 10.5756, 28.1871**, and if you desaturate by 10%, it is **18.1899, 17.8037, 29.2661**.

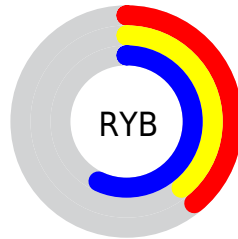
Distribution



Red (39%)

Green (39%)

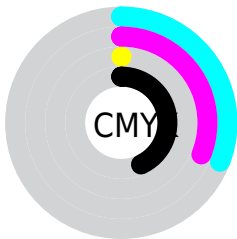
Blue (57%)



Red (39%)

Yellow (39%)

Blue (57%)

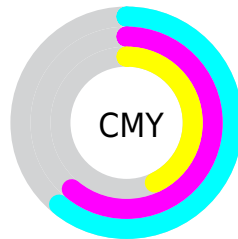


Cyan (31%)

Magenta (31%)

Yellow (0%)

Black (43%)



Cyan (61%)

Magenta (61%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9235, 13.8680, 28.6783 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 14.9235, 13.8680, 28.6783 by changing the saturation by 10% instead.

■ 14.9235, 13.8680,
28.6783

■ 14.9235, 13.8680,
28.6783

216.3003,
216.4081, 309.7073

■ 8.8517, 8.0289,
18.5941

■ 34.2917, 32.8546,
58.6016

■ 4.7009, 4.1135,
11.2035

■ 48.3187, 46.7710,
79.2779

■ 2.1058, 1.7372,
6.0880

■ 65.7283, 64.1485,
104.3219

■ 0.6924, 0.4476,
2.8290

■ 86.8856, 85.3716,
134.1522

■ 0.0000, 0.0000,
1.0080

112.1561,
110.8248, 169.1874

■ 0.0000, 0.0000,
0.0000

141.9052,

140.8923, 209.8459

176.4981,
175.9586, 256.5464

■ 14.9235, 13.8680,
28.6783

■ 14.9235, 13.8680,
28.6783

■ 12.1911, 10.5756,
28.1871

■ 18.1899, 17.8037,
29.2661

■ 9.9629, 7.8908,
27.7863

■ 22.0149, 22.4126,
29.9541

■ 8.2086, 5.7769,
27.4707

■ 26.4236, 27.7248,
30.7471

■ 6.8938, 4.1927,
27.2342

■ 31.4389, 33.7679,
31.6492

■ 5.9798, 3.0914,
27.0698

■ 37.0827, 40.5682,
32.6643

■ 5.4208, 2.4179,
26.9693

■ 43.3755, 48.1507,
33.7962

■ 5.1109, 2.0444,
26.9135

■ 50.3372, 56.5390,
35.0484

■ 57.9866, 65.7559,
36.4243

■ 66.3419, 75.8235,
37.9271

Harmonies

Analogous

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



12.7475, 13.8680, 30.1532



14.9235, 13.8680, 28.6783



16.8022, 13.8680, 23.1840

Triad

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



14.9235, 13.8680, 28.6783



15.7637, 13.8680, 7.4257



9.4907, 13.8680, 13.8787

Complementary

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



14.9235, 13.8680, 28.6783



24.1029, 27.1907, 16.0350

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.



10.1217, 13.8680, 9.1545



14.9235, 13.8680, 28.6783



13.6245, 13.8680, 6.1369

Square

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



14.9235, 13.8680, 28.6783



17.3229, 13.8680, 10.8025



11.5799, 13.8680, 6.6705



9.7585, 13.8680, 20.4082

Rectangle

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



14.9235, 13.8680, 28.6783



17.5540, 13.8680, 18.6187



11.5799, 13.8680, 6.6705



9.6024, 13.8680, 12.0550

Sweetspot

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



14.9240, 13.8685, 28.6786



40.8027, 41.7973, 53.8907



20.4344, 24.9817, 30.2310



8.8579, 9.0342, 11.9491



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.



14.9240, 13.8685, 28.6786



23.3270, 20.7402, 50.7473



17.6591, 15.2784, 28.8066



5.1296, 5.2550, 6.7727



4.3838, 1.7535, 23.0845



0.0419, 0.0168, 0.2207

Inverse Universe

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



18.5348, 16.0546, 14.1791



30.8173, 25.2749, 20.6699



20.6302, 25.4006, 15.8725



5.4089, 5.4241, 5.6513



10.0158, 5.1634, 0.4688



0.0958, 0.0494, 0.0045

Previews

White Background



This preview shows how the XYZ color 14.9235, 13.8680, 28.6783 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 14.9235, 13.8680, 28.6783 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 14.9235, 13.8680, 28.6783

Background



This preview shows how black text looks on a background with the XYZ color 14.9235, 13.8680, 28.6783.



This preview shows how white text looks on a background with the XYZ color 14.9235, 13.8680,

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

14.9235, 13.8680, 28.6783

Protanopia

14.3332, 13.9807, 29.5469

Deuteranopia

14.1987, 13.9383, 28.3276



Tritanopia

12.8074, 13.9027, 17.9280

Trichromacy



Original Color

14.9235, 13.8680, 28.6783

Protanomaly

14.5558, 13.9577, 29.1211

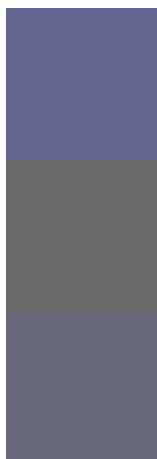
Deuteranomaly

14.4015, 13.8960, 28.3087

Tritanomaly

13.4759, 13.8681, 21.3686

Monochromacy



Original Color

14.9235, 13.8680, 28.6783

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.8339, 13.9401, 19.7309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9235, 13.8680, 28.6783 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(100, 100, 145)` looks like.

```
.text, #text, p{  
    color:rgb(100, 100, 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(100, 100, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 100, 145) }
```

Border

The CSS property to change the border of an element to XYZ 14.9235, 13.8680, 28.6783 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(100, 100, 145) }
```


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

```
.border{ border-color:rgb(100, 100, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 100, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 100, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 100, 145);  
box-shadow:4px 4px 4px 4px rgb(100, 100,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9235, 13.8680, 28.6783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 100, 145) }
```

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

```
.background{ background-color: rgb(100,  
100, 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](#).

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