

Converting Colors

XYZ(28.5011, 15.6982, 75.6602)

Have a look what the booklet for
XYZ(28.5011, 15.6982, 75.6602)
contains.

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Color

**XYZ(28.4980, 15.6962,
75.6564)**

Conversions

Conversions Part 1

Format	Color
Hex	963FE5
RGB	150, 63, 229
RGB Percent	59%, 25%, 90%
CMY	0.4118, 0.7529, 0.1020
CMYK	0.34, 0.72, 0.00, 0.10
HSL	271°, 76%, 57%
HSV	271°, 72%, 90%
XYZ	28.4980, 15.6962, 75.6564
YIQ	107.9370, -1.4340, 70.0700

Conversions

Conversions Part 2

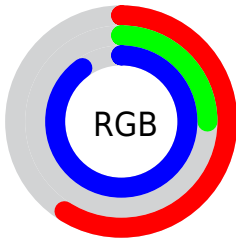
Format	Color
R _{YB}	150, 63, 229
Decimal	9846757
CIE Lab	46.57, 64.94, -69.26
CIE LCh	47, 94.942, 313.157
Yxy	15.6962, 0.2378, 0.1310
Android (android.graphics.Color)	4288036837 (0xFF963FE5)
YUV	107.9370, 59.6841, 36.8893
Hunter-Lab	39.6184, 59.0649, -85.4888

Details

The XYZ color **28.4980, 15.6962, 75.6564** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle washed purple. A complement of this color would be **40.0719, 62.1485, 14.5868**, and the grayscale version is **14.0755, 14.8085, 16.1265**.

A 20% lighter version of the original color is **50.8229, 33.7322, 98.4400**, and **11.7608, 5.2027, 39.4141** is the 20% darker color. If you saturate the color by 10%, you get **25.5702, 12.6797, 75.2288**, and if you desaturate by 10%, it is **32.1409, 19.8639, 76.2692**.

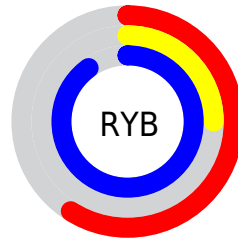
Distribution



Red (59%)

Green (25%)

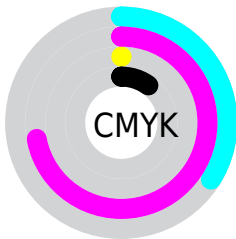
Blue (90%)



Red (59%)

Yellow (25%)

Blue (90%)

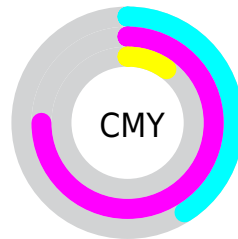


Cyan (34%)

Magenta (72%)

Yellow (0%)

Black (10%)



Cyan (41%)

Magenta (75%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4980, 15.6962, 75.6564 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 28.4980, 15.6962, 75.6564 by changing the saturation by 10% instead.

■ 28.4980, 15.6962,
75.6564

■ 28.4980, 15.6962,
75.6564

286.8761,
227.5423, 499.4862

■ 18.8438, 9.3094,
55.6458

■ 56.6816, 36.0700,
128.9967

■ 11.6608, 4.9436,
39.5170

■ 75.9418, 50.8258,
163.1636

■ 6.5837, 2.2142,
26.8512

■ 99.1346, 69.1401,
202.8862

■ 3.2471, 0.7277,
17.2301

■ 126.6254, 91.3972,
248.5833

■ 1.2858, 0.0000,
10.2350

■ 158.7796,
117.9816, 300.6733

■ 0.1725, 0.0000,
5.4474

195.9625,

■ 0.0000, 0.0000,

149.2777, 359.5747

2.4488

238.5396,
185.6698, 425.7062

■ 0.0000, 0.0000,
0.8128

■ 0.0000, 0.0000,
0.0000

■ 28.4980, 15.6962,
75.6564

■ 28.4980, 15.6962,
75.6564

■ 25.5702, 12.6797,
75.2288

■ 32.1409, 19.8639,
76.2692

■ 23.2798, 10.6696,
74.9615

■ 36.5596, 25.3002,
77.0856

■ 21.8916, 9.6517,
74.8382

■ 41.8103, 32.1092,
78.1231

■ 47.9425, 40.3834,
79.3970

■ 55.0016, 50.2073,
80.9212

■ 63.0297, 61.6586,
82.7083

■ 72.0661, 74.8097,
84.7705

■ 82.1477, 89.7285,
87.1188

■ 88.6443, 97.1491,
88.2087

Harmonies

Analogous

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



18.7999, 15.6962, 109.4310



28.4980, 15.6962, 75.6564



35.6485, 15.6962, 33.7809

Triad

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



28.4980, 15.6962, 75.6564



19.9651, 15.6962, 0.0000



4.2353, 15.6962, 29.5557

Complementary

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



28.4980, 15.6962, 75.6564



40.0719, 62.1485, 14.5868

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.



4.3496, 15.6962, 7.0672



28.4980, 15.6962, 75.6564



11.6123, 15.6962, 0.0000

Square

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



28.4980, 15.6962, 75.6564



29.6153, 15.6962, 1.0779



6.5289, 15.6962, 0.7719



6.1246, 15.6962, 70.2580

Rectangle

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



28.4980, 15.6962, 75.6564



36.8264, 15.6962, 14.7239



6.5289, 15.6962, 0.7719



4.0692, 15.6962, 19.6979

Sweetspot

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



28.4988, 15.6967, 75.6568



70.5414, 64.5643, 103.3520



26.0507, 26.4294, 77.8574



14.5444, 13.0399, 22.0003



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



28.4988, 15.6967, 75.6568



31.0699, 14.7455, 95.8163



47.8504, 25.7172, 74.5617



14.3001, 14.2569, 18.1425



12.6566, 5.5906, 42.7952



1.0424, 0.4684, 3.1674

Inverse Universe

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



38.9733, 22.1663, 27.8153



46.4283, 24.2122, 26.5478



31.0460, 57.4863, 14.5782



14.6612, 14.4817, 16.4161



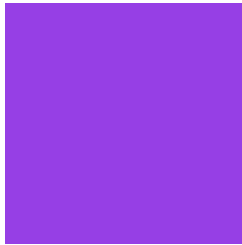
20.1126, 10.1793, 9.4880



1.5329, 0.7709, 0.9470

Previews

White Background



This preview shows how the XYZ color 28.4980, 15.6962, 75.6564 looks on a white background.

Color Contrast Check

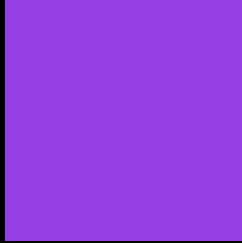
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4980, 15.6962, 75.6564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

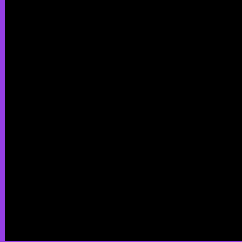
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.4980, 15.6962, 75.6564

Background



This preview shows how black text looks on a background with the XYZ color 28.4980, 15.6962, 75.6564.

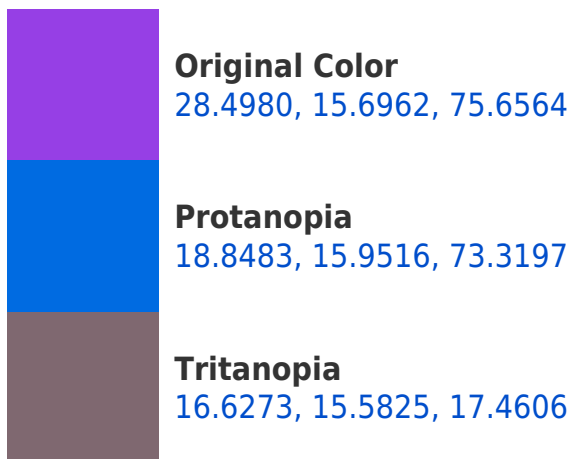


This preview shows how white text looks on a background with the XYZ color 28.4980, 15.6962,

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



Trichromacy



Original Color

28.4980, 15.6962, 75.6564

Protanomaly

19.0441, 13.7854, 73.6086

Tritanomaly

19.4804, 14.6622, 32.8137

Monochromacy



Original Color

28.4980, 15.6962, 75.6564

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

17.6630, 14.1322, 31.5026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4980, 15.6962, 75.6564 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(150, 63, 229)` looks like.

```
.text, #text, p{  
  color:rgb(150, 63, 229)  
}
```

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(150, 63, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 63, 229) }
```

Border

The CSS property to change the border of an element to XYZ 28.4980, 15.6962, 75.6564 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(150, 63, 229) }
```

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

```
.border{ border-color:rgb(150, 63, 229) }
```

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

Here you see how a box with a 4 pixel rgb(150, 63, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 63, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 63, 229);  
box-shadow:4px 4px 4px 4px rgb(150, 63,  
229) }
```


Background

The CSS property to change the background color of an element to XYZ 28.4980, 15.6962, 75.6564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 63, 229) }
```

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

```
.background{ background-color: rgb(150, 63,  
229) }
```

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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