

Converting Colors

XYZ(28.5048, 18.8330, 75.6914)

Have a look what the booklet for
XYZ(28.5048, 18.8330, 75.6914)
contains.

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Color

**XYZ(28.5654, 18.9191,
75.5450)**

Conversions

Conversions Part 1	
Format	Color
Hex	8B5DE4
RGB	139, 93, 228
RGB Percent	55%, 36%, 89%
CMY	0.4549, 0.6353, 0.1059
CMYK	0.39, 0.59, 0.00, 0.11
HSL	260°, 71%, 63%
HSV	260°, 59%, 89%
XYZ	28.5654, 18.9191, 75.5450
YIQ	122.1440, -15.9190, 51.7370

Conversions

Conversions Part 2

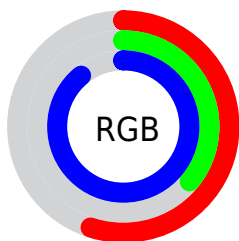
Format	Color
RYB	139, 93, 228
Decimal	9133540
CIELab	50.59, 47.88, -62.24
CIELCh	51, 78.528, 307.570
Yxy	18.9191, 0.2322, 0.1538
Android (android.graphics.Color)	4287323620 (0xFF8B5DE4)
YUV	122.1440, 52.1870, 14.7827
Hunter-Lab	43.4961, 41.1090, -72.5290

Details

The XYZ color **28.5654, 18.9191, 75.5450** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **49.0104, 66.2223, 20.5554**, and the grayscale version is **18.3851, 19.3425, 21.0640**.

A 20% lighter version of the original color is **51.2014, 39.3411, 99.5027**, and **11.7036, 6.4556, 39.6589** is the 20% darker color. If you saturate the color by 10%, you get **24.5148, 14.2901, 74.8654**, and if you desaturate by 10%, it is **33.5592, 24.9200, 76.4405**.

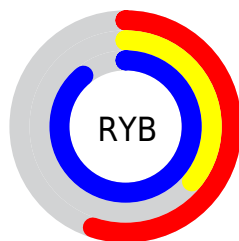
Distribution



Red (55%)

Green (36%)

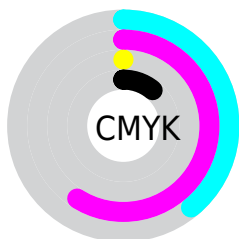
Blue (89%)



Red (55%)

Yellow (36%)

Blue (89%)

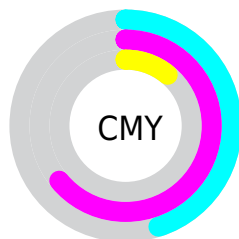


Cyan (39%)

Magenta (59%)

Yellow (0%)

Black (11%)



Cyan (45%)

Magenta (64%)


Yellow (11%)


Brightness & Saturation

Gradients


These gradients show how the XYZ color 28.5654, 18.9191, 75.5450 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 28.5654, 18.9191, 75.5450 by changing the saturation by 10% instead.

 28.5654, 18.9191,
75.5450


 28.5654, 18.9191,
75.5450

287.1902,
246.0018, 499.0940

 18.8949, 11.6118,
55.5551


 56.7882, 41.5974,
128.8377

 11.6979, 6.4800,
39.4447


 76.0713, 57.7371,
162.9776

 6.6091, 3.1391,
26.7954


 99.2893, 77.5899,
202.6712

 3.2630, 1.2048,
17.1885

 126.8075,
101.5400, 248.3371

 1.2943, 0.0656,
10.2056

158.9913,
129.9718, 300.3937

 0.1790, 0.0000,
5.4281


196.2062,


 0.0000, 0.0000,


163.2698, 359.2598


2.4375


238.8173,
201.8183, 425.3537


 0.0000, 0.0000,
0.8067


 0.0000, 0.0000,
0.0000


 28.5654, 18.9191,
75.5450

 28.5654, 18.9191,
75.5450

 24.5148, 14.2901,
74.8654


 33.5592, 24.9200,
76.4405


 21.3359, 10.9143,
74.3813


 39.5549, 32.3938,
77.5671


 18.9499, 8.6548,
74.0710


 46.6090, 41.4340,
78.9402


 17.2378, 7.2977,
73.8993


 54.7729, 52.1258,
80.5736

 17.1205, 7.2083,
73.8882

 64.0944, 64.5478,
82.4800

 74.6185, 78.7739,
84.6713

 86.3876, 94.8732,
87.1585

 91.0037, 98.3815,
87.5923

Harmonies

Analogous

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



19.9972, 18.9191, 97.3266



28.5654, 18.9191, 75.5450



35.3648, 18.9191, 41.3020

Triad

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



28.5654, 18.9191, 75.5450



24.2216, 18.9191, 1.0248



6.9609, 18.9191, 26.6847

Complementary

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



28.5654, 18.9191, 75.5450



49.0104, 66.2223, 20.5554

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.



7.4990, 18.9191, 8.3148



28.5654, 18.9191, 75.5450



16.1070, 18.9191, 0.6561

Square

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



28.5654, 18.9191, 75.5450



32.3999, 18.9191, 4.0814



10.4009, 18.9191, 1.9776



8.6374, 18.9191, 58.6132

Rectangle

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



28.5654, 18.9191, 75.5450



37.1251, 18.9191, 22.4443



10.4009, 18.9191, 1.9776



6.8999, 18.9191, 18.8590

Sweetspot

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



28.5663, 18.9197, 75.5455



71.8456, 68.8360, 104.1077



35.4517, 41.7960, 79.5981



14.6757, 13.8063, 22.1413



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.



28.5663, 18.9197, 75.5455



30.5912, 17.3154, 96.3376



43.2334, 26.4809, 76.2319



14.0435, 14.1246, 18.1305



9.9999, 4.2211, 42.6709



0.8355, 0.3617, 3.1577

Inverse Universe

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



44.3529, 27.7004, 47.2641



53.3452, 30.0148, 53.6127



36.8558, 59.9564, 19.9865



14.7755, 14.5274, 17.0180



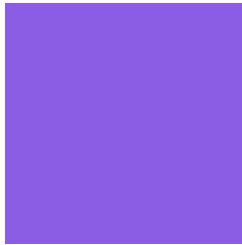
21.7257, 10.8245, 17.9825



1.6485, 0.8171, 1.5557

Previews

White Background



This preview shows how the XYZ color 28.5654, 18.9191, 75.5450 looks on a white background.

Color Contrast Check

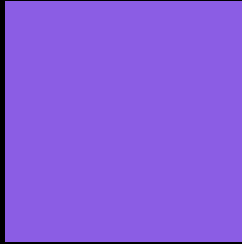
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 28.5654, 18.9191, 75.5450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

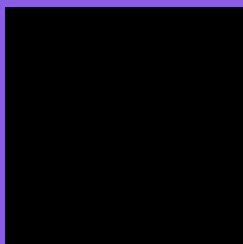
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.5654, 18.9191, 75.5450

Background



This preview shows how black text looks on a background with the XYZ color 28.5654, 18.9191, 75.5450.



This preview shows how white text looks on a background with the XYZ color 28.5654, 18.9191,

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

28.5654, 18.9191, 75.5450

Protanopia

23.0339, 19.2062, 90.4888

Deuteranopia

19.6073, 19.1757, 68.3135



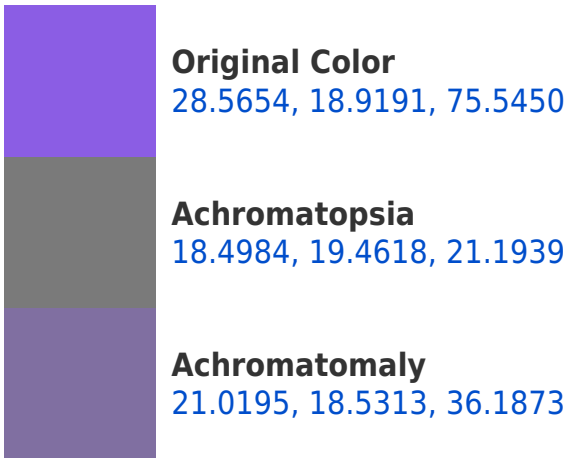
Tritanopia

18.0819, 18.8266, 23.8000

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5654, 18.9191, 75.5450 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(139, 93, 228)` looks like.

```
.text, #text, p{  
    color:rgb(139, 93, 228)  
}
```

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(139, 93, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 93, 228) }
```

Border

The CSS property to change the border of an element to XYZ 28.5654, 18.9191, 75.5450 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(139, 93, 228) }
```

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

```
.border{ border-color:rgb(139, 93, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 93, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 93, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 93, 228);  
box-shadow:4px 4px 4px 4px rgb(139, 93,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5654, 18.9191, 75.5450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 93, 228) }
```

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

```
.background{ background-color: rgb(139, 93,  
228) }
```

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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