

Converting Colors

XYZ(27.9602, 17.5623, 69.1413)

Have a look what the booklet for
XYZ(27.9602, 17.5623, 69.1413)
contains.

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Color

**XYZ(27.9121, 17.5040,
68.9253)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 9353DB |
| RGB | 147, 83, 219 |
| RGB Percent | 58%, 33%, 86% |
| CMY | 0.4235, 0.6745, 0.1412 |
| CMYK | 0.33, 0.62, 0.00, 0.14 |
| HSL | 268°, 65%, 59% |
| HSV | 268°, 62%, 86% |
| XYZ | 27.9121, 17.5040, 68.9253 |
| YIQ | 117.6400, -5.5120, 55.8640 |

Conversions

Conversions Part 2

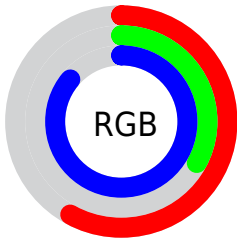
| Format | Color |
|-------------------------------------|-------------------------------|
| R _{YB} | 147, 83, 219 |
| Decimal | 9655259 |
| CIE _{Lab} | 48.89, 52.65, -59.85 |
| CIE _{LCh} | 49, 79.712, 311.339 |
| Y _{xy} | 17.5040, 0.2441, 0.1531 |
| Android (android.graphics.Color) | 4287845339 (0xFF9353DB) |
| YUV | 117.6400, 49.9705, 25.7487 |
| Hunter-Lab | 41.8378, 45.8703, -68.3904 |

Details

The XYZ color **27.9121, 17.5040, 68.9253** 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 **40.4103, 58.2562, 17.2987**, and the grayscale version is **16.9585, 17.8417, 19.4296**.

A 20% lighter version of the original color is **52.0310, 37.8075, 99.1630**, and **11.3173, 5.7980, 35.1730** is the 20% darker color. If you saturate the color by 10%, you get **24.5182, 13.6478, 68.3602**, and if you desaturate by 10%, it is **32.0462, 22.5274, 69.6774**.

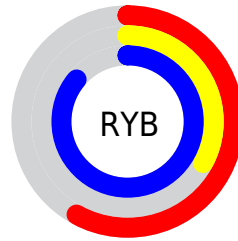
Distribution



Red (58%)

Green (33%)

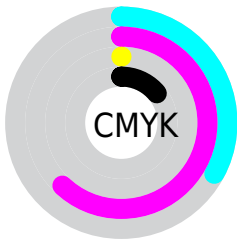
Blue (86%)



Red (58%)

Yellow (33%)

Blue (86%)

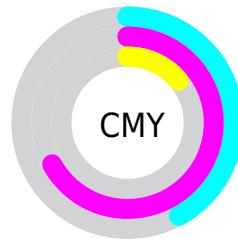


Cyan (33%)

Magenta (62%)

Yellow (0%)

Black (14%)



Cyan (42%)


Magenta (67%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.9121, 17.5040, 68.9253 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 27.9121, 17.5040, 68.9253 by changing the saturation by 10% instead.


 27.9121, 17.5040,
68.9253


 27.9121, 17.5040,
68.9253


284.1344,
238.0603, 475.4543


 18.3995, 10.5945,
50.1795


 55.7537, 39.1903,
119.3416

 11.3386, 5.7949,
35.1839


 74.8134, 54.7359,
151.8491


 6.3640, 2.7207,
23.5199


 97.7863, 73.9290,
189.7810

 3.1104, 0.9877,
14.7689

 125.0376, 97.1539,
233.5558

 1.2124, 0.0000,
8.5126

 156.9327,
124.7951, 283.5919

 0.1161, 0.0000,
4.3322

193.8369,

 0.0000, 0.0000,

157.2370, 340.3080

1.8093

236.1157,
194.8639, 404.1226

■ 0.0000, 0.0000,
0.4341

■ 0.0000, 0.0000,
0.0000

■ 27.9121, 17.5040,
68.9253

■ 27.9121, 17.5040,
68.9253

■ 24.5182, 13.6478,
68.3602

■ 32.0462, 22.5274,
69.6774

■ 21.8040, 10.8502,
67.9633

■ 36.9689, 28.8094,
70.6305

■ 19.7018, 8.9842,
67.7139

■ 42.7272, 36.4340,
71.7987

■ 18.3870, 8.0018,
67.5936

■ 49.3630, 45.4773,
73.1945

■ 56.9154, 56.0097,
74.8294

■ 65.4211, 68.0966,
76.7141

■ 74.9143, 81.7995,
78.8586

■ 84.3978, 95.1166,
80.9293

■ 88.4551, 97.2083,
81.1192

Harmonies

Analogous

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



19.5934, 17.5040, 93.4024



27.9121, 17.5040, 68.9253



34.0801, 17.5040, 35.2911

Triad

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



27.9121, 17.5040, 68.9253



21.6161, 17.5040, 0.6131



6.2244, 17.5040, 28.2430

Complementary

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



27.9121, 17.5040, 68.9253



40.4103, 58.2562, 17.2987

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.



6.4717, 17.5040, 8.7699



27.9121, 17.5040, 68.9253



13.9941, 17.5040, 0.4290

Square

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



27.9121, 17.5040, 68.9253



29.7653, 17.5040, 2.8276



8.8992, 17.5040, 1.9169



8.0794, 17.5040, 60.6163

Rectangle

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



27.9121, 17.5040, 68.9253



35.2941, 17.5040, 18.1227



8.8992, 17.5040, 1.9169



6.0833, 17.5040, 20.0268

Sweetspot

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



27.9129, 17.5046, 68.9257



72.6791, 68.3437, 103.9688



28.1641, 30.5745, 71.4352



14.9265, 13.7567, 22.1185



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.



27.9129, 17.5046, 68.9257



33.1489, 17.7045, 96.2779



43.7477, 25.6678, 69.6668



12.9185, 12.9161, 16.4643



11.0269, 4.8087, 40.0854



0.8133, 0.3625, 2.6016

Inverse Universe

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



38.2232, 23.6134, 33.5529



49.8505, 27.6151, 38.2984



30.8736, 53.3399, 16.8523



13.3426, 13.1662, 15.0656



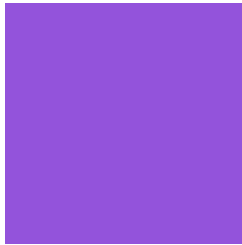
19.2451, 9.6991, 10.9365



1.2902, 0.6457, 0.9372

Previews

White Background



This preview shows how the XYZ color 27.9121, 17.5040, 68.9253 looks on a white background.

Color Contrast Check

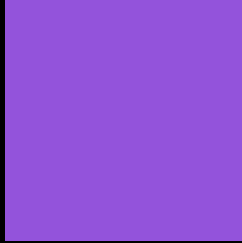
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9121, 17.5040, 68.9253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

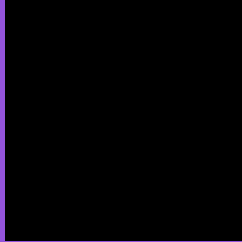
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.9121, 17.5040, 68.9253

Background



This preview shows how black text looks on a background with the XYZ color 27.9121, 17.5040, 68.9253.



This preview shows how white text looks on a background with the XYZ color 27.9121, 17.5040,

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

27.9121, 17.5040, 68.9253

Deuteranopia

18.1113, 17.6100, 63.4173

Tritanopia

18.0864, 17.5336, 20.2004

Trichromacy



Original Color

27.9121, 17.5040, 68.9253



Deuteranomaly

18.5300, 15.6641, 64.9976



Tritanomaly

20.6461, 16.8586, 33.6183

Monochromacy



Original Color

27.9121, 17.5040, 68.9253



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

20.0212, 17.1368, 33.2629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9121, 17.5040, 68.9253 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(147, 83, 219)` looks like.

```
.text, #text, p{  
    color:rgb(147, 83, 219)  
}
```

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(147, 83, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 83, 219) }
```

Border

The CSS property to change the border of an element to XYZ 27.9121, 17.5040, 68.9253 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(147, 83, 219) }
```

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

```
.border{ border-color:rgb(147, 83, 219) }
```

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

Here you see how a box with a 4 pixel rgb(147, 83, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 83, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 83, 219);  
box-shadow:4px 4px 4px 4px rgb(147, 83,  
219) }
```


Background

The CSS property to change the background color of an element to XYZ 27.9121, 17.5040, 68.9253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 83, 219) }
```

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

```
.background{ background-color: rgb(147, 83,  
219) }
```

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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