

Converting Colors

XYZ(27.1097, 17.3923, 63.9969)

Have a look what the booklet for
XYZ(27.1097, 17.3923, 63.9969)
contains.

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Color

**XYZ(27.1648, 17.4535,
64.2245)**

Conversions

Conversions Part 1

Format	Color
Hex	9355D4
RGB	147, 85, 212
RGB Percent	58%, 33%, 83%
CMY	0.4235, 0.6667, 0.1686
CMYK	0.31, 0.60, 0.00, 0.17
HSL	269°, 60%, 58%
HSV	269°, 60%, 83%
XYZ	27.1648, 17.4535, 64.2245
YIQ	118.0160, -3.8150, 52.6410

Conversions

Conversions Part 2

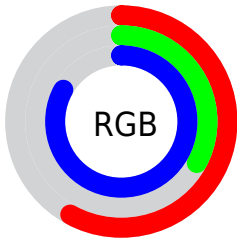
Format	Color
R_{YB}	147, 85, 212
Decimal	9655764
CIE _{Lab}	48.83, 49.93, -55.96
CIE _{LCh}	49, 74.995, 311.739
Yxy	17.4535, 0.2496, 0.1604
Android (android.graphics.Color)	4287845844 (0xFF9355D4)
YUV	118.0160, 46.3341, 25.4190
Hunter-Lab	41.7774, 42.9552, -61.9025

Details

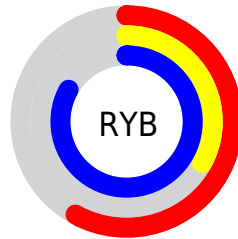
The XYZ color **27.1648, 17.4535, 64.2245** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **37.7610, 54.2271, 17.0714**, and the grayscale version is **17.0860, 17.9758, 19.5757**.

A 20% lighter version of the original color is **51.8975, 37.9487, 99.1973**, and **10.8872, 5.7685, 31.9921** is the 20% darker color. If you saturate the color by 10%, you get **23.8842, 13.6450, 63.6626**, and if you desaturate by 10%, it is **31.1303, 22.3575, 64.9624**.

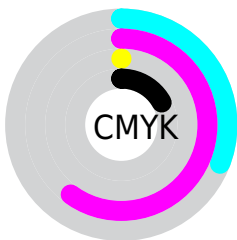
Distribution



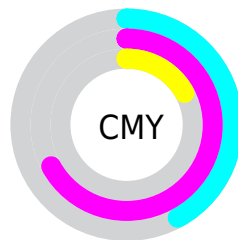
- Red (58%)
- Green (33%)
- Blue (83%)



- Red (58%)
- Yellow (33%)
- Blue (83%)



- Cyan (31%)
- Magenta (60%)
- Yellow (0%)
- Black (17%)



- Cyan (42%)
- Magenta (67%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1648, 17.4535, 64.2245 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 27.1648, 17.4535, 64.2245 by changing the saturation by 10% instead.

■ 27.1648, 17.4535,
64.2245

■ 27.1648, 17.4535,
64.2245

280.6072,
237.7724, 458.2296

■ 17.8343, 10.5584,
46.3852

■ 54.5662, 39.1039,
112.5368

■ 10.9300, 5.7707,
32.1990

■ 73.3678, 54.6279,
143.8468

■ 6.0867, 2.7062,
21.2475

■ 96.0572, 73.7970,
180.4841

■ 2.9391, 0.9803,
13.1120

■ 122.9996, 96.9955,
222.8674

■ 1.1216, 0.0000,
7.3741

■ 154.5604,
124.6080, 271.4150

■ 0.0431, 0.0000,
3.6152

191.1051,

■ 0.0000, 0.0000,

157.0186, 326.5455

1.4167

232.9989,
194.6120, 388.6775

■ 0.0000, 0.0000,
0.1547

■ 0.0000, 0.0000,
0.0000

■ 27.1648, 17.4535,
64.2245

■ 27.1648, 17.4535,
64.2245

■ 23.8842, 13.6450,
63.6626

■ 31.1303, 22.3575,
64.9624

■ 21.2349, 10.8352,
63.2599

■ 35.8238, 28.4386,
65.8888

■ 19.1578, 8.9126,
62.9983

■ 41.2869, 35.7725,
67.0164

■ 17.5488, 7.6772,
62.8446

■ 47.5576, 44.4280,
68.3566

■ 17.5347, 7.6667,
62.8433

■ 54.6707, 54.4688,
69.9198

■ 62.6592, 65.9542,
71.7157

■ 71.5539, 78.9401,
73.7534

■ 81.3844, 93.4794,
76.0416

■ 85.1794, 95.6238,
76.2555

Harmonies

Analogous

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



19.4577, 17.4535, 86.4501



27.1648, 17.4535, 64.2245



32.7810, 17.4535, 33.6873

Triad

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



27.1648, 17.4535, 64.2245



21.1363, 17.4535, 0.9065



6.6469, 17.4535, 27.8975

Complementary

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



27.1648, 17.4535, 64.2245



37.7610, 54.2271, 17.0714

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.



6.8629, 17.4535, 9.3608



27.1648, 17.4535, 64.2245



14.0172, 17.4535, 0.7521

Square

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



27.1648, 17.4535, 64.2245



28.6851, 17.4535, 3.2191



9.1910, 17.4535, 2.3659



8.4850, 17.4535, 57.5405

Rectangle

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



27.1648, 17.4535, 64.2245



33.8418, 17.4535, 17.8665



9.1910, 17.4535, 2.3659



6.4995, 17.4535, 20.1886

Sweetspot

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



27.1656, 17.4541, 64.2249



73.9944, 69.9437, 104.2083



26.6354, 28.6953, 66.4226



15.1966, 14.0748, 22.1657



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.



27.1656, 17.4541, 64.2249



35.0336, 19.3581, 96.4978



41.6777, 24.9354, 64.9041



12.3140, 12.3033, 15.6633



10.9399, 4.7922, 38.8016



0.7552, 0.3382, 2.3448

Inverse Universe

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



35.9052, 22.6964, 31.3424



50.3437, 28.5475, 38.6290



29.1250, 49.7751, 16.6673



12.6859, 12.5258, 14.2861



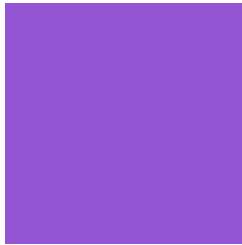
18.5003, 9.3364, 9.9385



1.1576, 0.5798, 0.8194

Previews

White Background



This preview shows how the XYZ color 27.1648, 17.4535, 64.2245 looks on a white background.

Color Contrast Check

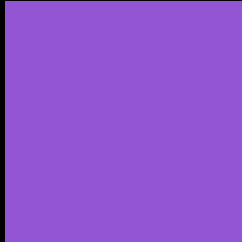
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1648, 17.4535, 64.2245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

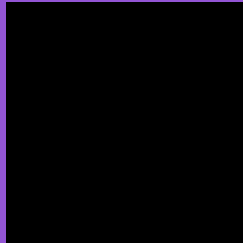
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.1648, 17.4535, 64.2245

Background



This preview shows how black text looks on a background with the XYZ color 27.1648, 17.4535, 64.2245.



This preview shows how white text looks on a background with the XYZ color 27.1648, 17.4535,

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

27.1648, 17.4535, 64.2245

Protanopia

21.2268, 17.7614, 83.1984

Deuteranopia

18.2608, 17.7580, 60.2228



Tritanopia

18.2201, 17.4466, 19.8600

Trichromacy



Original Color

27.1648, 17.4535, 64.2245



Protanomaly

20.3624, 15.9168, 76.1278



Deuteranomaly

19.5998, 16.4399, 61.8147



Tritanomaly

20.6545, 17.0369, 32.3368

Monochromacy



Original Color

27.1648, 17.4535, 64.2245



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

19.8748, 17.2422, 31.9863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1648, 17.4535, 64.2245 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, 85, 212)` looks like.

```
.text, #text, p{  
    color:rgb(147, 85, 212)  
}
```

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, 85, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 85, 212) }
```

Border

The CSS property to change the border of an element to XYZ 27.1648, 17.4535, 64.2245 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, 85, 212) }
```


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

```
.border{ border-color:rgb(147, 85, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 85, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 85, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 85, 212);  
box-shadow:4px 4px 4px 4px rgb(147, 85,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1648, 17.4535, 64.2245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 85, 212) }
```

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

```
.background{ background-color: rgb(147, 85,  
212) }
```

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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