

# Converting Colors

XYZ(26.5466, 17.5941, 62.0287)

Have a look what the booklet for  
XYZ(26.5466, 17.5941, 62.0287)  
contains.

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# Color

**XYZ(26.4999, 17.5122,  
62.3051)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9058D1
RGB	144, 88, 209
RGB Percent	56%, 35%, 82%
CMY	0.4353, 0.6549, 0.1804
CMYK	0.31, 0.58, 0.00, 0.18
HSL	268°, 57%, 58%
HSV	268°, 58%, 82%
XYZ	26.4999, 17.5122, 62.3051
YIQ	118.5380, -5.4650, 49.5030

# Conversions

## Conversions Part 2

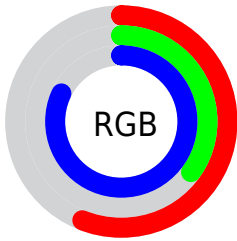
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	144, 88, 209
Decimal	9459921
CIE <sub>Lab</sub>	48.90, 46.90, -54.15
CIE <sub>LCh</sub>	49, 71.638, 310.901
Yxy	17.5122, 0.2493, 0.1647
Android (android.graphics.Color)	4287650001 (0xFF9058D1)
YUV	118.5380, 44.5978, 22.3302
Hunter-Lab	41.8476, 39.8015, -58.9811

# Details

The XYZ color **26.4999, 17.5122, 62.3051** 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 **37.6991, 53.0782, 17.4912**, and the grayscale version is **17.2548, 18.1534, 19.7691**.

A 20% lighter version of the original color is **51.5155, 38.3937, 99.3033**, and **10.6457, 5.8432, 31.1386** is the 20% darker color. If you saturate the color by 10%, you get **23.1594, 13.5983, 61.7260**, and if you desaturate by 10%, it is **30.5286, 22.5113, 63.0580**.

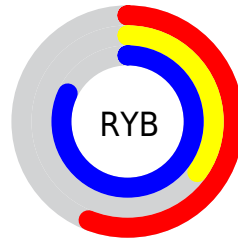
# Distribution



Red (56%)

Green (35%)

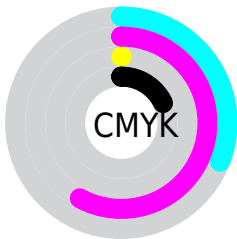
Blue (82%)



Red (56%)

Yellow (35%)

Blue (82%)

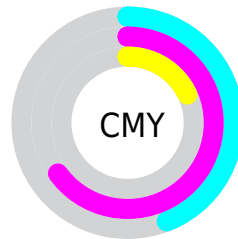


Cyan (31%)

Magenta (58%)

Yellow (0%)

Black (18%)



Cyan (44%)

Magenta (65%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.4999, 17.5122, 62.3051 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 26.4999, 17.5122, 62.3051 by changing the saturation by 10% instead.



■ 26.4999, 17.5122,  
62.3051

■ 26.4999, 17.5122,  
62.3051

277.4394,  
238.1070, 451.0815

■ 17.3326, 10.6003,  
44.8419

■ 53.5059, 39.2044,  
109.7422

■ 10.5687, 5.7988,  
30.9909

■ 72.0753, 54.7534,  
140.5532

■ 5.8428, 2.7231,  
20.3335

■ 94.5095, 73.9504,  
176.6506

■ 2.7895, 0.9889,  
12.4512

■ 121.1738, 97.1796,  
218.4528

■ 1.0434, 0.0000,  
6.9255

■ 152.4336,  
124.8255, 266.3785

■ 0.0000, 0.0000,  
3.3378

188.6543,

■ 0.0000, 0.0000,

157.2724, 320.8461

1.2696

230.2011,  
194.9048, 382.2743

■ 0.0000, 0.0000,  
0.0367

■ 0.0000, 0.0000,  
0.0000

■ 26.4999, 17.5122,  
62.3051

■ 26.4999, 17.5122,  
62.3051

■ 23.1594, 13.5983,  
61.7260

■ 30.5286, 22.5113,  
63.0580

■ 20.4558, 10.6780,  
61.3049

■ 35.2869, 28.6727,  
63.9965

■ 18.3333, 8.6474,  
61.0248

■ 40.8151, 36.0687,  
65.1327

■ 16.7123, 7.3570,  
60.8611

■ 47.1499, 44.7649,  
66.4774

■ 16.4096, 7.1300,  
60.8333

■ 54.3252, 54.8223,  
68.0405

■ 62.3731, 66.2977,  
69.8313

■ 71.3238, 79.2450,  
71.8586

■ 81.1412, 93.5854,  
74.1091

■ 84.9412, 95.5444,  
74.2870

# Harmonies

## Analogous

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



19.1821, 17.5122, 82.3761



26.4999, 17.5122, 62.3051



31.8886, 17.5122, 33.7367

# Triad

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



26.4999, 17.5122, 62.3051



21.1894, 17.5122, 1.1753



6.9809, 17.5122, 26.8658

# Complementary

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



26.4999, 17.5122, 62.3051



37.6991, 53.0782, 17.4912

# 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.



7.2494, 17.5122, 9.4195



26.4999, 17.5122, 62.3051



14.3418, 17.5122, 0.9763

# Square

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



26.4999, 17.5122, 62.3051



28.3019, 17.5122, 3.7361



9.5975, 17.5122, 2.6211



8.7295, 17.5122, 54.5027



# Rectangle

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



26.4999, 17.5122, 62.3051



32.9843, 17.5122, 18.4979



9.5975, 17.5122, 2.6211



6.8533, 17.5122, 19.6493

# Sweetspot

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



26.5007, 17.5128, 62.3055



74.6918, 71.2400, 104.4218



27.1802, 29.9719, 64.6746



15.5285, 14.6123, 22.2520



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.



26.5007, 17.5128, 62.3055



35.4435, 20.3426, 96.6662



39.6138, 24.2729, 62.9192



11.6762, 11.6819, 14.8831



10.2289, 4.4535, 37.5130



0.6630, 0.2960, 2.1018



# Inverse Universe

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



35.5344, 22.8352, 32.6719



51.6374, 29.8983, 42.8729



29.1836, 48.6883, 17.0927



12.0704, 11.9129, 13.6467



18.0753, 9.1029, 10.5685

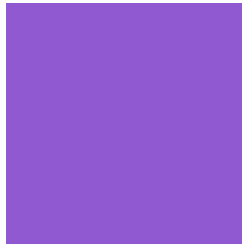


1.0505, 0.5249, 0.8008



# Previews

## White Background



This preview shows how the XYZ color 26.4999, 17.5122, 62.3051 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

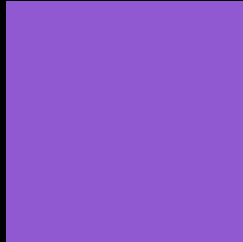
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 26.4999, 17.5122, 62.3051 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

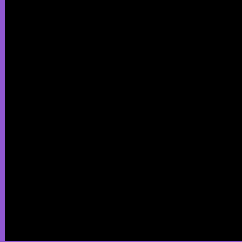
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# XYZ 26.4999, 17.5122, 62.3051

## Background



This preview shows how black text looks on a background with the XYZ color 26.4999, 17.5122, 62.3051.



This preview shows how white text looks on a background with the XYZ color 26.4999, 17.5122,



# 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

26.4999, 17.5122, 62.3051

### Protanopia

21.1809, 17.8049, 80.1622

### Deuteranopia

18.3401, 17.8266, 58.9742



## Tritanopia

17.9978, 17.4808, 20.5147

# Trichromacy



## Original Color

26.4999, 17.5122, 62.3051



## Protanomaly

21.0394, 16.4763, 73.3055



## Deuteranomaly

19.6705, 16.6725, 59.9390



## Tritanomaly

20.2729, 16.9869, 32.3473

# Monochromacy



## Original Color

26.4999, 17.5122, 62.3051



## Achromatopsia

17.5343, 18.4475, 20.0893



## Achromatomaly

19.9321, 17.5813, 32.0488

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.4999, 17.5122, 62.3051 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(144, 88, 209)` looks like.

```
.text, #text, p{  
    color:rgb(144, 88, 209)  
}
```

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(144, 88, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 88, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 26.4999, 17.5122, 62.3051 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(144, 88, 209) }
```



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

```
.border{ border-color:rgb(144, 88, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 88, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 88, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 88, 209);  
box-shadow:4px 4px 4px 4px rgb(144, 88,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.4999, 17.5122, 62.3051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 88, 209) }
```

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

```
.background{ background-color: rgb(144, 88,  
209) }
```

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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