

# Converting Colors

XYZ(25.5110, 18.2173, 49.1860)

Have a look what the booklet for  
XYZ(25.5110, 18.2173, 49.1860)  
contains.

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# Color

**XYZ(25.4563, 18.1618,  
49.1776)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	955FBB
RGB	149, 95, 187
RGB Percent	58%, 37%, 73%
CMY	0.4157, 0.6274, 0.2667
CMYK	0.20, 0.49, 0.00, 0.27
HSL	275°, 40%, 55%
HSV	275°, 49%, 73%
XYZ	25.4563, 18.1618, 49.1776
YIQ	121.6340, 2.6520, 40.0600

# Conversions

## Conversions Part 2

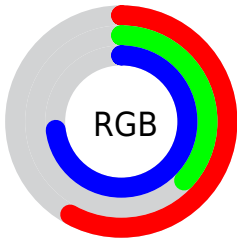
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	149, 95, 187
Decimal	9789371
CIE Lab	49.69, 39.14, -40.19
CIE LCh	50, 56.100, 314.245
Yxy	18.1618, 0.2743, 0.1957
Android (android.graphics.Color)	4287979451 (0xFF955FBB)
YUV	121.6340, 32.2254, 24.0000
Hunter-Lab	42.6167, 32.0446, -38.5862

# Details

The XYZ color **25.4563, 18.1618, 49.1776** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **29.5091, 41.3538, 17.2538**, and the grayscale version is **18.2780, 19.2299, 20.9413**.

A 20% lighter version of the original color is **51.9397, 40.3782, 90.6442**, and **10.0345, 6.1342, 22.8455** is the 20% darker color. If you saturate the color by 10%, you get **22.6070, 14.4857, 48.6185**, and if you desaturate by 10%, it is **28.8048, 22.6961, 49.8766**.

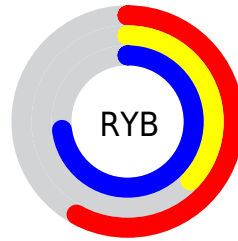
# Distribution



Red (58%)

Green (37%)

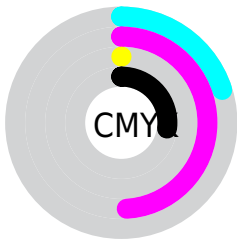
Blue (73%)



Red (58%)

Yellow (37%)

Blue (73%)

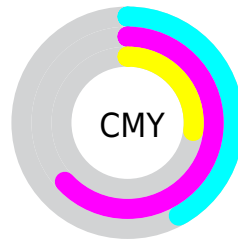


Cyan (20%)

Magenta (49%)

Yellow (0%)

Black (27%)



Cyan (42%)

Magenta (63%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.4563, 18.1618, 49.1776 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 25.4563, 18.1618, 49.1776 by changing the saturation by 10% instead.




 25.4563, 18.1618,  
49.1776


 25.4563, 18.1618,  
49.1776


272.4087,  
241.7815, 400.0836


 16.5479, 11.0662,  
34.3938

 51.8341, 40.3128,  
90.3389


 10.0060, 6.1114,  
22.9165


 70.0342, 56.1371,  
117.5534

 5.4652, 2.9129,  
14.3271


 92.0622, 75.6397,  
149.7487

 2.5603, 1.0864,  
8.2072

 118.2835, 99.2050,  
187.3431

 0.9257, 0.0000,  
4.1381

149.0634,  
127.2174, 230.7553

 0.0000, 0.0000,  
1.7014

184.7674,

 0.0000, 0.0000,

160.0614, 280.4037

0.3617

225.7607,  
198.1213, 336.7070

■ 0.0000, 0.0000,  
0.0000

■ 25.4563, 18.1618,  
49.1776

■ 25.4563, 18.1618,  
49.1776

■ 22.6070, 14.4857,  
48.6185

■ 28.8048, 22.6961,  
49.8766

■ 20.2235, 11.6059,  
48.1883

■ 32.6785, 28.1403,  
50.7233

■ 18.2713, 9.4553,  
47.8761

■ 37.1042, 34.5445,  
51.7262

■ 16.7092, 7.9544,  
47.6687

■ 42.1060, 41.9544,  
52.8928

■ 15.4643, 6.9602,  
47.5424

■ 47.7063, 50.4128,  
54.2303

■ 15.3707, 6.8877,  
47.5334

■ 53.9266, 59.9600,  
55.7452

■ 60.7869, 70.6339,  
57.4439

■ 68.3066, 82.4709,  
59.3324

■ 73.7977, 90.0930,  
60.5142

# Harmonies

## Analogous

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



19.9120, 18.1618, 64.1175



25.4563, 18.1618, 49.1776



29.1396, 18.1618, 28.8750

# Triad

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



25.4563, 18.1618, 49.1776



20.2007, 18.1618, 2.8338



9.1050, 18.1618, 27.9227

# Complementary

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



25.4563, 18.1618, 49.1776



29.5091, 41.3538, 17.2538

# 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.



9.1507, 18.1618, 12.8214



25.4563, 18.1618, 49.1776



14.8586, 18.1618, 2.7792

# Square

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



25.4563, 18.1618, 49.1776



25.7049, 18.1618, 5.5420



11.0474, 18.1618, 5.3107



10.9060, 18.1618, 48.1792



# Rectangle

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



25.4563, 18.1618, 49.1776



29.6492, 18.1618, 17.6789



11.0474, 18.1618, 5.3107



8.9187, 18.1618, 22.0309

# Sweetspot

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



25.4570, 18.1625, 49.1780



69.8696, 66.8965, 93.4312



22.1227, 22.8879, 50.2658



14.9790, 14.1308, 20.4806



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



25.4570, 18.1625, 49.1780



40.1370, 25.5046, 87.0088



32.7566, 22.0179, 45.3486



9.5386, 9.4945, 12.0021



10.6741, 4.7888, 32.7546



0.4908, 0.2251, 1.2864



# Inverse Universe

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



28.8198, 20.4432, 24.6175



47.3986, 30.3873, 35.8759



24.9216, 38.9466, 18.9490



9.6892, 9.6000, 10.7522



15.0831, 7.6644, 5.7312

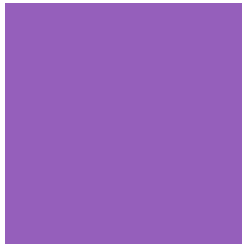


0.6234, 0.3133, 0.3963



# Previews

## White Background



This preview shows how the XYZ color 25.4563, 18.1618, 49.1776 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 25.4563, 18.1618, 49.1776 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

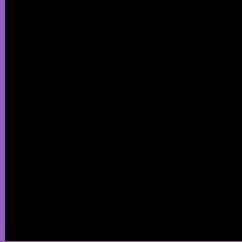
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 25.4563, 18.1618, 49.1776**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.4563, 18.1618, 49.1776.



This preview shows how white text looks on a background with the XYZ color 25.4563, 18.1618,



# 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

25.4563, 18.1618, 49.1776

### Protanopia

20.4132, 18.3374, 60.8561

### Deuteranopia

18.7597, 18.3127, 46.8019



## Tritanopia

19.5558, 18.1282, 20.2377

# Trichromacy



## Original Color

25.4563, 18.1618, 49.1776

## Protanomaly

21.3803, 17.7917, 56.3401

## Deuteranomaly

20.5343, 17.8638, 47.7132

## Tritanomaly

21.2409, 17.8676, 28.7148

# Monochromacy



## Original Color

25.4563, 18.1618, 49.1776

## Achromatopsia

18.4984, 19.4618, 21.1939

## Achromatomaly

20.4982, 18.5692, 29.6980

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.4563, 18.1618, 49.1776 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(149, 95, 187)` looks like.

```
.text, #text, p{  
    color:rgb(149, 95, 187)  
}
```

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(149, 95, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 95, 187) }
```

## Border

The CSS property to change the border of an element to XYZ 25.4563, 18.1618, 49.1776 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(149, 95, 187) }
```



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

```
.border{ border-color:rgb(149, 95, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 95, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(149, 95, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(149, 95, 187); box-shadow:4px 4px 4px 4px rgb(149, 95, 187) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.4563, 18.1618, 49.1776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 95, 187) }
```

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

```
.background{ background-color: rgb(149, 95,  
187) }
```

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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