

# Converting Colors

XYZ(27.3956, 26.4746, 49.7990)

Have a look what the booklet for  
XYZ(27.3956, 26.4746, 49.7990)  
contains.

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# Color

**XYZ(27.2183, 26.2996,  
49.5407)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8489B9
RGB	132, 137, 185
RGB Percent	52%, 54%, 73%
CMY	0.4823, 0.4627, 0.2745
CMYK	0.29, 0.26, 0.00, 0.27
HSL	234°, 27%, 62%
HSV	234°, 29%, 73%
XYZ	27.2183, 26.2996, 49.5407
YIQ	140.9770, -18.3880, 13.8680

# Conversions

## Conversions Part 2

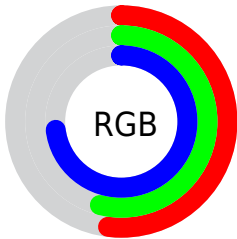
<b>Format</b>	<b>Color</b>
<b>RYB</b>	132, 137, 185
Decimal	8686009
CIELab	58.32, 9.22, -25.69
CIELCh	58, 27.293, 289.746
Yxy	26.2996, 0.2641, 0.2552
Android (android.graphics.Color)	4286876089 (0xFF8489B9)
YUV	140.9770, 21.7033, -7.8728
Hunter-Lab	51.2831, 4.9926, -21.3773

# Details

The XYZ color **27.2183, 26.2996, 49.5407** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **40.4941, 44.6231, 28.3095**, and the grayscale version is **25.2319, 26.5459, 28.9085**.

A 20% lighter version of the original color is **54.5403, 53.6169, 90.6936**, and **10.9664, 10.2317, 23.2267** is the 20% darker color. If you saturate the color by 10%, you get **22.3782, 20.5396, 48.6845**, and if you desaturate by 10%, it is **32.9430, 33.0658, 50.5454**.

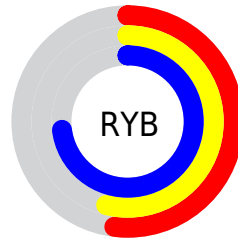
# Distribution



Red (52%)

Green (54%)

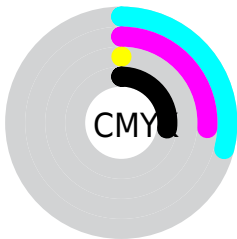
Blue (73%)



Red (52%)

Yellow (54%)

Blue (73%)

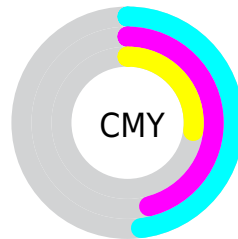


Cyan (29%)

Magenta (26%)

Yellow (0%)

Black (27%)



Cyan (48%)

Magenta (46%)

Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2183, 26.2996, 49.5407 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 27.2183, 26.2996, 49.5407 by changing the saturation by 10% instead.



■ 27.2183, 26.2996,  
49.5407

■ 27.2183, 26.2996,  
49.5407

280.8609,  
284.2497, 401.5506

■ 17.8747, 17.0479,  
34.6800

■ 54.6514, 53.7579,  
90.8833

■ 10.9592, 10.2687,  
23.1349

■ 73.4716, 72.7333,  
118.2022

■ 6.1065, 5.5774,  
14.4869

■ 96.1813, 95.7187,  
150.5109

■ 2.9512, 2.5899,  
8.3175

123.1460,  
123.0985, 188.2280

■ 1.1280, 0.9216,  
4.2081

154.7309,  
155.2571, 231.7719

■ 0.0484, 0.0000,  
1.7402

191.3014,

■ 0.0000, 0.0000,

192.5789, 281.5613

0.3881

233.2230,  
235.4483, 338.0147

■ 0.0000, 0.0000,  
0.0000

■ 27.2183, 26.2996,  
49.5407

■ 27.2183, 26.2996,  
49.5407

■ 22.3782, 20.5396,  
48.6845

■ 32.9430, 33.0658,  
50.5454

■ 18.3761, 15.7348,  
47.9680

■ 39.5906, 40.8799,  
51.7033

■ 15.1647, 11.8342,  
47.3843

■ 47.2007, 49.7850,  
53.0211

■ 12.6913, 8.7808,  
46.9253

■ 55.8093, 59.8208,  
54.5045

■ 10.8965, 6.5112,  
46.5819

■ 65.4508, 71.0251,  
56.1590

■ 9.7117, 4.9530,  
46.3435

■ 76.1581, 83.4339,  
57.9898

■ 9.0336, 4.0095,  
46.1972

■ 85.5293, 95.8274,  
59.8880

■ 8.9646, 3.9180,  
46.1831

■ 85.7570, 96.2828,  
59.9639

# Harmonies

## Analogous

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



23.8769, 26.2996, 50.6788



27.2183, 26.2996, 49.5407



30.1970, 26.2996, 42.1612

# Triad

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



27.2183, 26.2996, 49.5407



29.3568, 26.2996, 16.8181



19.2223, 26.2996, 25.5006

# Complementary

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



27.2183, 26.2996, 49.5407



40.4941, 44.6231, 28.3095

# 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.



20.4311, 26.2996, 18.3649



27.2183, 26.2996, 49.5407



26.1516, 26.2996, 14.1404

# Square

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



27.2183, 26.2996, 49.5407



31.5054, 26.2996, 22.8880



22.8999, 26.2996, 14.6358



19.4529, 26.2996, 35.2734



# Rectangle

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



27.2183, 26.2996, 49.5407



31.4828, 26.2996, 35.4485



22.8999, 26.2996, 14.6358



19.4693, 26.2996, 22.7571

# Sweetspot

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



27.2192, 26.3006, 49.5413



70.2709, 72.4702, 92.4891



35.0730, 42.8871, 49.4500



14.7576, 15.1638, 19.8707



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



27.2192, 26.3006, 49.5413



43.4404, 40.7960, 87.7895



30.1836, 26.7979, 49.4811



8.5875, 8.8521, 11.3355



6.1290, 2.7177, 31.4546



0.2389, 0.1415, 1.1165



# Inverse Universe

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



32.7749, 28.6238, 27.4655



54.9677, 45.7447, 41.9567



36.7830, 44.2357, 28.4303



9.0381, 9.0256, 9.5481



13.7073, 7.0567, 1.0796

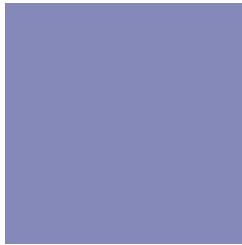


0.4948, 0.2534, 0.0988



# Previews

## White Background



This preview shows how the XYZ color 27.2183, 26.2996, 49.5407 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

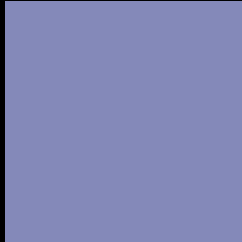
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.2183, 26.2996, 49.5407 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

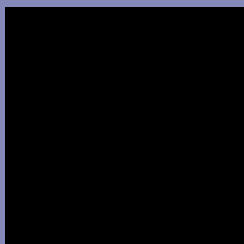
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 27.2183, 26.2996, 49.5407**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.2183, 26.2996, 49.5407.



This preview shows how white text looks on a background with the XYZ color 27.2183, 26.2996,



# 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

27.2183, 26.2996, 49.5407

### Protanopia

26.7038, 26.2342, 50.1106

### Deuteranopia

26.8987, 26.3469, 49.5667



## Tritanopia

24.2594, 26.4136, 34.3916

# Trichromacy



## Original Color

27.2183, 26.2996, 49.5407

## Protanomaly

27.0047, 26.3893, 50.1247

## Deuteranomaly

27.0514, 26.4256, 49.5738

## Tritanomaly

25.2185, 26.3556, 39.3553

# Monochromacy



## Original Color

27.2183, 26.2996, 49.5407

## Achromatopsia

25.3171, 26.6356, 29.0061

## Achromatomaly

25.9451, 26.5938, 35.6639

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.2183, 26.2996, 49.5407 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(132, 137, 185)` looks like.

```
.text, #text, p{  
    color:rgb(132, 137, 185)  
}
```

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(132, 137, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 137, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 27.2183, 26.2996, 49.5407 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(132, 137, 185) }
```



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

```
.border{ border-color:rgb(132, 137, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 137, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 137, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 137, 185);  
box-shadow:4px 4px 4px 4px rgb(132, 137,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.2183, 26.2996, 49.5407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 137, 185) }
```

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

```
.background{ background-color: rgb(132,  
137, 185) }
```

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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