

# Converting Colors

XYZ(30.4322, 29.9478, 49.5239)

Have a look what the booklet for  
XYZ(30.4322, 29.9478, 49.5239)  
contains.

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# Color

**XYZ(30.4322, 29.9478,  
49.5239)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9092B8
RGB	144, 146, 184
RGB Percent	56%, 57%, 72%
CMY	0.4353, 0.4274, 0.2784
CMYK	0.22, 0.21, 0.00, 0.28
HSL	237°, 22%, 64%
HSV	237°, 22%, 72%
XYZ	30.4322, 29.9478, 49.5239
YIQ	149.7340, -13.3900, 11.3940

# Conversions

## Conversions Part 2

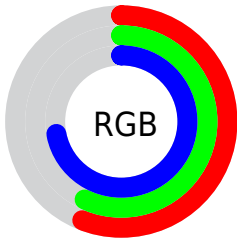
<b>Format</b>	<b>Color</b>
<b>RYB</b>	144, 146, 184
Decimal	9474744
CIELab	61.61, 7.54, -20.00
CIELCh	62, 21.373, 290.650
Yxy	29.9478, 0.2769, 0.2725
Android (android.graphics.Color)	4287664824 (0xFF9092B8)
YUV	149.7340, 16.8931, -5.0287
Hunter-Lab	54.7246, 3.4954, -15.3482

# Details

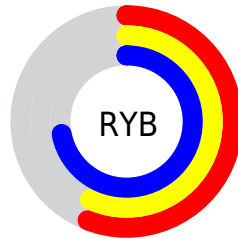
The XYZ color **30.4322, 29.9478, 49.5239** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **41.5293, 45.6597, 33.0107**, and the grayscale version is **28.8123, 30.3128, 33.0107**.

A 20% lighter version of the original color is **59.6712, 59.6056, 90.7981**, and **12.7938, 12.3316, 23.1787** is the 20% darker color. If you saturate the color by 10%, you get **24.9851, 23.4416, 48.5557**, and if you desaturate by 10%, it is **36.8170, 37.5504, 50.6553**.

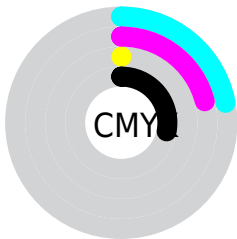
# Distribution



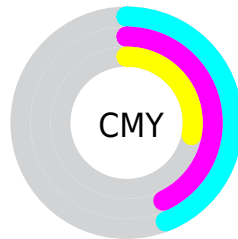
- Red (56%)
- Green (57%)
- Blue (72%)



- Red (56%)
- Yellow (57%)
- Blue (72%)



- Cyan (22%)
- Magenta (21%)
- Yellow (0%)
- Black (28%)



- Cyan (44%)
- Magenta (43%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4322, 29.9478, 49.5239 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 30.4322, 29.9478, 49.5239 by changing the saturation by 10% instead.



■ 30.4322, 29.9478,  
49.5239

■ 30.4322, 29.9478,  
49.5239

295.7877,  
301.6611, 401.4828

■ 20.3166, 19.7990,  
34.6667

■ 59.7270, 59.5796,  
90.8581

■ 12.7350, 12.2490,  
23.1248

■ 79.6368, 79.8314,  
118.1722

■ 7.3220, 6.9135,  
14.4795

103.5421,  
104.2196, 150.4757

■ 3.7124, 3.4081,  
8.3124

131.8082,  
133.1287, 188.1871

■ 1.5408, 1.3483,  
4.2048

164.8004,  
166.9429, 231.7249

■ 0.3533, 0.1781,  
1.7384

202.8842,

■ 0.0000, 0.0000,

206.0468, 281.5078

0.3868

246.4248,  
250.8247, 337.9543

0.0000, 0.0000,  
0.0000

30.4322, 29.9478,  
49.5239

30.4322, 29.9478,  
49.5239

24.9851, 23.4416,  
48.5557

36.8170, 37.5504,  
50.6553

20.4288, 17.9777,  
47.7412

44.1776, 46.2929,  
51.9549

16.7168, 13.5031,  
47.0731

52.5538, 56.2208,  
53.4297

13.7970, 9.9586,  
46.5429

61.9820, 67.3760,  
55.0859

11.6119, 7.2785,  
46.1407

72.4969, 79.7986,  
56.9295

■ 10.0958, 5.3888,  
45.8559

■ 84.1318, 93.5266,  
58.9661

■ 9.1715, 4.2028,  
45.6757

■ 85.6518, 96.2407,  
59.4098

■ 8.7518, 3.6606,  
45.5931

# Harmonies

## Analogous

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



27.5872, 29.9478, 50.5834



30.4322, 29.9478, 49.5239



32.8953, 29.9478, 43.5528

# Triad

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



30.4322, 29.9478, 49.5239



32.0659, 29.9478, 21.9562



23.4133, 29.9478, 30.1347

# Complementary

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



30.4322, 29.9478, 49.5239



41.5293, 45.6597, 33.0107

# 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.



24.4505, 29.9478, 23.6701



30.4322, 29.9478, 49.5239



29.3602, 29.9478, 19.4926

# Square

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



30.4322, 29.9478, 49.5239



33.8812, 29.9478, 27.4023



26.5835, 29.9478, 20.0631



23.6582, 29.9478, 38.4346



# Rectangle

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



30.4322, 29.9478, 49.5239



33.9288, 29.9478, 38.0643



26.5835, 29.9478, 20.0631



23.6208, 29.9478, 27.6999

# Sweetspot

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



30.4332, 29.9490, 49.5246



72.6821, 75.1316, 92.8757



37.0174, 43.5607, 50.3531



15.5004, 15.9969, 19.9924



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.



30.4332, 29.9490, 49.5246



50.3230, 48.5084, 88.9154



33.3908, 31.0197, 49.5754



8.5562, 8.7896, 11.3250



6.0472, 2.5541, 31.4273



0.2254, 0.1146, 1.1120



# Inverse Universe

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



34.9295, 32.2130, 31.5723



59.9192, 53.3822, 50.5915



38.0411, 44.4744, 32.9657



9.0223, 9.0193, 9.4651



13.6660, 7.0402, 0.8621

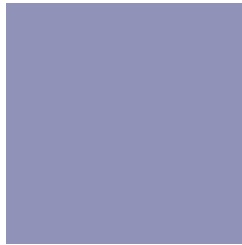


0.4879, 0.2507, 0.0630



# Previews

## White Background



This preview shows how the XYZ color 30.4322, 29.9478, 49.5239 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

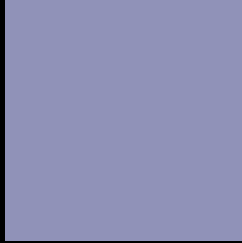
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.4322, 29.9478, 49.5239 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 30.4322, 29.9478, 49.5239**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.4322, 29.9478, 49.5239.



This preview shows how white text looks on a background with the XYZ color 30.4322, 29.9478,



# 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

30.4322, 29.9478, 49.5239

### Protanopia

30.0059, 29.9457, 50.0976

### Deuteranopia

30.6077, 30.0382, 49.5322



## Tritanopia

28.2432, 29.9968, 38.4838

# Trichromacy



## Original Color

30.4322, 29.9478, 49.5239

## Protanomaly

30.1752, 30.0329, 50.1055

## Deuteranomaly

30.6077, 30.0382, 49.5322

## Tritanomaly

28.9877, 30.0599, 42.3045

# Monochromacy



## Original Color

30.4322, 29.9478, 49.5239

## Achromatopsia

28.9890, 30.4987, 33.2131

## Achromatomaly

29.4818, 30.3994, 38.4962

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.4322, 29.9478, 49.5239 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, 146, 184)` looks like.

```
.text, #text, p{  
    color:rgb(144, 146, 184)  
}
```

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, 146, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 146, 184) }
```

## Border

The CSS property to change the border of an element to XYZ 30.4322, 29.9478, 49.5239 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, 146, 184) }
```



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

```
.border{ border-color:rgb(144, 146, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 146, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 146, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 146, 184);  
box-shadow:4px 4px 4px 4px rgb(144, 146,  
184) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.4322, 29.9478, 49.5239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 146, 184) }
```

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

```
.background{ background-color: rgb(144,  
146, 184) }
```

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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