

# Converting Colors

XYZ(29.5421, 28.5089, 62.9772)

Have a look what the booklet for  
XYZ(29.5421, 28.5089, 62.9772)  
contains.

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# Color

**XYZ(29.5424, 28.5099,  
62.9774)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7D8FCF
RGB	125, 143, 207
RGB Percent	49%, 56%, 81%
CMY	0.5098, 0.4392, 0.1882
CMYK	0.40, 0.31, 0.00, 0.19
HSL	227°, 46%, 65%
HSV	227°, 40%, 81%
XYZ	29.5424, 28.5099, 62.9774
YIQ	144.9140, -31.2720, 16.0880

# Conversions

## Conversions Part 2

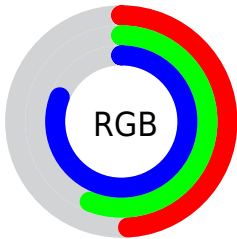
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	125, 140, 207
Decimal	8228815
CIE Lab	60.35, 9.61, -35.00
CIE LCh	60, 36.301, 285.355
Yxy	28.5099, 0.2441, 0.2356
Android (android.graphics.Color)	4286418895 (0xFF7D8FCF)
YUV	144.9140, 30.6084, -17.4646
Hunter-Lab	53.3947, 5.3205, -32.5545

# Details

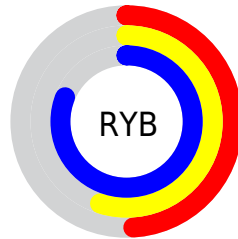
The XYZ color **29.5424, 28.5099, 62.9774** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **47.6323, 51.1423, 26.7642**, and the grayscale version is **26.7684, 28.1624, 30.6689**.

A 20% lighter version of the original color is **56.8386, 56.8558, 102.5863**, and **12.1804, 11.4353, 31.2710** is the 20% darker color. If you saturate the color by 10%, you get **24.5763, 22.6054, 62.1000**, and if you desaturate by 10%, it is **35.4895, 35.4398, 64.0021**.

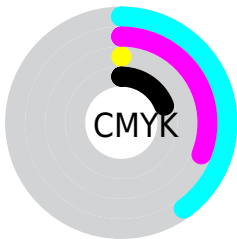
# Distribution



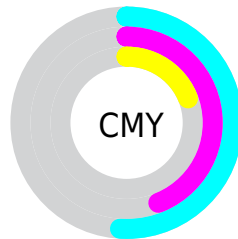
- Red (49%)
- Green (56%)
- Blue (81%)



- Red (49%)
- Yellow (55%)
- Blue (81%)



- Cyan (40%)
- Magenta (31%)
- Yellow (0%)
- Black (19%)



- Cyan (51%)
- Magenta (44%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5424, 28.5099, 62.9774 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 29.5424, 28.5099, 62.9774 by changing the saturation by 10% instead.



■ 29.5424, 28.5099,  
62.9774

■ 29.5424, 28.5099,  
62.9774

291.7139,  
294.8955, 453.5932

■ 19.6379, 18.7104,  
45.3820

■ 58.3294, 57.2975,  
110.7222

■ 12.2388, 11.4612,  
31.4133

■ 77.9425, 77.0544,  
141.7087

■ 6.9799, 6.3779,  
20.6527

■ 101.5225,  
100.8991, 177.9959

■ 3.4957, 3.0762,  
12.6816

129.4349,  
129.2162, 220.0026

■ 1.4210, 1.1717,  
7.0815

162.0448,  
162.3900, 268.1470

■ 0.2711, 0.0384,  
3.4339

199.7177,

■ 0.0000, 0.0000,

200.8049, 322.8479

1.3202

242.8189,  
244.8452, 384.5238

■ 0.0000, 0.0000,  
0.0783

■ 0.0000, 0.0000,  
0.0000

■ 29.5424, 28.5099,  
62.9774

■ 29.5424, 28.5099,  
62.9774

■ 24.5763, 22.6054,  
62.1000

■ 35.4895, 35.4398,  
64.0021

■ 20.5340, 17.6729,  
61.3610

■ 42.4646, 43.4385,  
65.1784

■ 17.3566, 13.6593,  
60.7537

■ 50.5153, 52.5505,  
66.5128

■ 14.9771, 10.5041,  
60.2701

■ 59.6851, 62.8169,  
68.0112

■ 13.3173, 8.1394,  
59.9012

■ 70.0153, 74.2768,  
69.6787

■ 12.2522, 6.4693,  
59.6350

■ 81.5448, 86.9673,  
71.5205

■ 12.2178, 6.4154,  
59.6264

■ 88.2626, 97.2850,  
73.1580

# Harmonies

## Analogous

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



24.8932, 28.5099, 63.1095



29.5424, 28.5099, 62.9774



33.9917, 28.5099, 52.8128

# Triad

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



29.5424, 28.5099, 62.9774



33.9004, 28.5099, 16.1209



19.3147, 28.5099, 24.9914

# Complementary

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



29.5424, 28.5099, 62.9774



47.6323, 51.1423, 26.7642

# 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.



21.2053, 28.5099, 16.2667



29.5424, 28.5099, 62.9774



29.4289, 28.5099, 12.2348

# Square

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



29.5424, 28.5099, 62.9774



36.6976, 28.5099, 24.7264



24.7919, 28.5099, 12.2792



19.3377, 28.5099, 38.3517



# Rectangle

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



29.5424, 28.5099, 62.9774



36.0929, 28.5099, 43.0305



24.7919, 28.5099, 12.2792



19.7371, 28.5099, 21.5174

# Sweetspot

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



29.5434, 28.5110, 62.9781



77.5232, 80.3486, 106.0307



39.8339, 52.6115, 55.5580



16.2191, 16.7754, 22.6331



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.



29.5434, 28.5110, 62.9781



40.1385, 37.1315, 99.6593



30.6059, 25.3642, 62.3147



11.3711, 11.8325, 14.9282



7.7557, 4.1579, 37.5863



0.4940, 0.3531, 2.1217



# Inverse Universe

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



38.0246, 29.9169, 29.7580



55.8715, 40.4452, 37.8760



46.0551, 56.4379, 27.8695



11.9135, 11.8501, 12.8201



16.5454, 8.4910, 2.5125

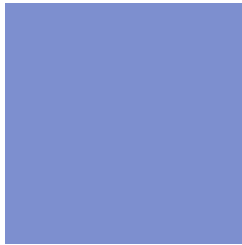


0.9556, 0.4869, 0.3008



# Previews

## White Background



This preview shows how the XYZ color 29.5424, 28.5099, 62.9774 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

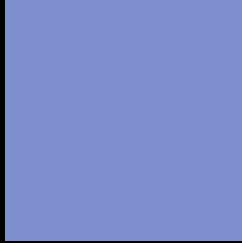
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 29.5424, 28.5099, 62.9774 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

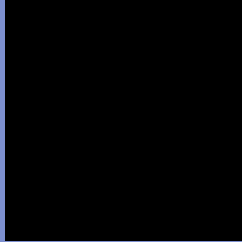
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 29.5424, 28.5099, 62.9774**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.5424, 28.5099, 62.9774.



This preview shows how white text looks on a background with the XYZ color 29.5424, 28.5099,



# 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

29.5424, 28.5099, 62.9774

### Protanopia

29.5424, 28.5099, 62.9774

### Deuteranopia

29.2618, 28.5891, 63.0075



## Tritanopia

24.7069, 28.3910, 39.2998

# Trichromacy



## Original Color

29.5424, 28.5099, 62.9774

## Protanomaly

29.5424, 28.5099, 62.9774

## Deuteranomaly

29.4041, 28.6625, 63.0141

## Tritanomaly

26.2993, 28.3266, 47.2615

# Monochromacy



## Original Color

29.5424, 28.5099, 62.9774

## Achromatopsia

26.9133, 28.3149, 30.8349

## Achromatomaly

27.5224, 28.1769, 41.0339

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.5424, 28.5099, 62.9774 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(125, 143, 207)` looks like.

```
.text, #text, p{  
    color:rgb(125, 143, 207)  
}
```

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(125, 143, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 143, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 29.5424, 28.5099, 62.9774 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(125, 143, 207) }
```



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

```
.border{ border-color:rgb(125, 143, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 143, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 143, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 143, 207);  
box-shadow:4px 4px 4px 4px rgb(125, 143,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.5424, 28.5099, 62.9774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 143, 207) }
```

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

```
.background{ background-color: rgb(125,  
143, 207) }
```

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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