

# Converting Colors

XYZ(30.2366, 29.2635, 45.1291)

Have a look what the booklet for  
XYZ(30.2366, 29.2635, 45.1291)  
contains.

<b>XYZ(30.2366, 29.2635, 45.1291)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(30.2366, 29.2635,  
45.1291)**

# Conversions

## Conversions Part 1

Format	Color
Hex	968FB0
RGB	150, 143, 176
RGB Percent	59%, 56%, 69%
CMY	0.4118, 0.4392, 0.3098
CMYK	0.15, 0.19, 0.00, 0.31
HSL	253°, 17%, 63%
HSV	253°, 19%, 69%
XYZ	30.2366, 29.2635, 45.1291
YIQ	148.8550, -6.4210, 11.7470

# Conversions

## Conversions Part 2

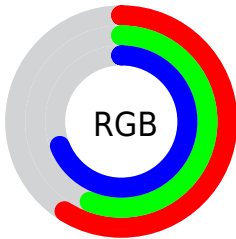
<b>Format</b>	<b>Color</b>
<b>RYB</b>	150, 143, 176
Decimal	9867184
CIELab	61.01, 9.37, -16.34
CIELCh	61, 18.832, 299.839
Yxy	29.2635, 0.2890, 0.2797
Android (android.graphics.Color)	4288057264 (0xFF968FB0)
YUV	148.8550, 13.3825, 1.0042
Hunter-Lab	54.0957, 5.1043, -11.5954

# Details

The XYZ color **30.2366, 29.2635, 45.1291** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **36.8464, 41.4696, 32.0503**, and the grayscale version is **28.4543, 29.9362, 32.6005**.

A 20% lighter version of the original color is **59.4336, 58.5961, 84.5216**, and **12.6351, 11.9114, 20.3721** is the 20% darker color. If you saturate the color by 10%, you get **25.3965, 23.1496, 44.2046**, and if you desaturate by 10%, it is **35.7950, 36.3645, 46.2072**.

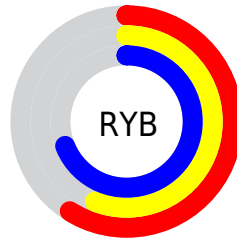
# Distribution



Red (59%)

Green (56%)

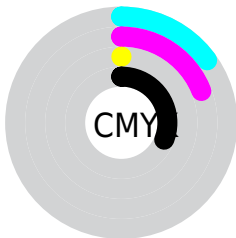
Blue (69%)



Red (59%)

Yellow (56%)

Blue (69%)

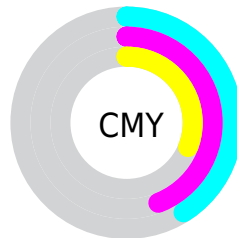


Cyan (15%)

Magenta (19%)

Yellow (0%)

Black (31%)



Cyan (41%)

Magenta (44%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2366, 29.2635, 45.1291 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 30.2366, 29.2635, 45.1291 by changing the saturation by 10% instead.



■ 30.2366, 29.2635,  
45.1291

■ 30.2366, 29.2635,  
45.1291

294.8958,  
298.4562, 383.4715

■ 20.1672, 19.2802,  
31.2154

■ 59.4202, 58.4955,  
84.2346

■ 12.6256, 11.8730,  
20.5031

■ 79.2651, 78.5130,  
110.2635

■ 7.2465, 6.6572,  
12.5736

■ 103.0993,  
102.6440, 141.1680

■ 3.6644, 3.2487,  
7.0083

131.2880,  
131.2730, 177.3664

■ 1.5141, 1.2629,  
3.3888

164.1967,  
164.7843, 219.2775

■ 0.3354, 0.1122,  
1.2964

202.1906,

■ 0.0000, 0.0000,

203.5624, 267.3197

0.0588

245.6352,  
247.9915, 321.9115

0.0000, 0.0000,  
0.0000

30.2366, 29.2635,  
45.1291

30.2366, 29.2635,  
45.1291

25.3965, 23.1496,  
44.2046

35.7950, 36.3645,  
46.2072

21.2423, 17.9754,  
43.4248

42.0971, 44.4902,  
47.4435

17.7430, 13.6945,  
42.7829

49.1702, 53.6807,  
48.8446

14.8640, 10.2556,  
42.2709

57.0394, 63.9726,  
50.4164

12.5676, 7.6018,  
41.8797

65.7288, 75.4011,  
52.1644

■ 10.8116, 5.6691,  
41.5992

■ 75.2613, 87.9996,  
54.0937

■ 9.5478, 4.3830,  
41.4176

■ 81.9800, 94.4420,  
54.9831

■ 8.6996, 3.6150,  
41.3140

■ 84.8366, 95.9146,  
55.1168

■ 8.6113, 3.5340,  
41.3031

# Harmonies

## Analogous

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



27.8008, 29.2635, 47.4340



30.2366, 29.2635, 45.1291



32.1111, 29.2635, 39.1715

# Triad

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



30.2366, 29.2635, 45.1291



30.2609, 29.2635, 21.5197



23.3437, 29.2635, 31.8249

# Complementary

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



30.2366, 29.2635, 45.1291



36.8464, 41.4696, 32.0503

# 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.



23.9186, 29.2635, 25.5252



30.2366, 29.2635, 45.1291



27.8274, 29.2635, 20.1376

# Square

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



30.2366, 29.2635, 45.1291



32.1257, 29.2635, 25.5821



25.5245, 29.2635, 21.4904



23.9066, 29.2635, 39.0959



# Rectangle

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



30.2366, 29.2635, 45.1291



32.7387, 29.2635, 34.3150



25.5245, 29.2635, 21.4904



23.4098, 29.2635, 29.5307

# Sweetspot

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



30.2375, 29.2647, 45.1298



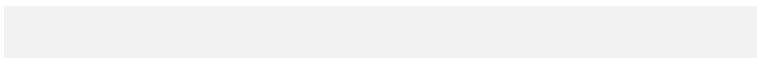
67.8079, 69.6645, 84.3680



33.4276, 37.5001, 46.5512



14.5441, 14.9032, 18.2544



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

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



30.2375, 29.2647, 45.1298



51.4998, 48.8403, 81.2081



33.4067, 30.8985, 45.2781



8.2049, 8.3141, 10.6787



6.3595, 2.6142, 30.3064



0.2486, 0.1073, 0.9558



# Inverse Universe

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



34.8893, 31.7408, 41.8250



61.3537, 54.0881, 74.0804



33.6022, 39.7971, 31.8985



8.7713, 8.6152, 10.2941



16.5605, 8.1418, 18.6435

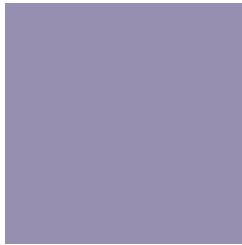


0.5404, 0.2639, 0.6886



# Previews

## White Background



This preview shows how the XYZ color 30.2366, 29.2635, 45.1291 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

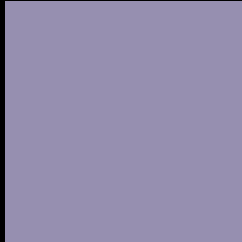
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.2366, 29.2635, 45.1291 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

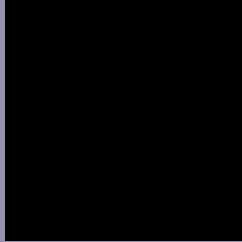
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 30.2366, 29.2635, 45.1291**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.2366, 29.2635, 45.1291.



This preview shows how white text looks on a background with the XYZ color 30.2366, 29.2635,



# 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

30.2366, 29.2635, 45.1291

### Protanopia

29.1300, 29.3476, 46.2488

### Deuteranopia

29.8424, 29.2842, 45.1538



## Tritanopia

28.4831, 29.2294, 36.4884

# Trichromacy



## Original Color

30.2366, 29.2635, 45.1291

## Protanomaly

29.5628, 29.3544, 45.7028

## Deuteranomaly

30.0225, 29.3770, 45.1623

## Tritanomaly

29.1297, 29.2633, 39.7104

# Monochromacy



## Original Color

30.2366, 29.2635, 45.1291

## Achromatopsia

28.5667, 30.0544, 32.7292

## Achromatomaly

29.0862, 29.7602, 37.0122

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.2366, 29.2635, 45.1291 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(150, 143, 176)` looks like.

```
.text, #text, p{  
    color:rgb(150, 143, 176)  
}
```

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(150, 143, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 143, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 30.2366, 29.2635, 45.1291 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(150, 143, 176) }
```



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

```
.border{ border-color:rgb(150, 143, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 143, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 143, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 143, 176);  
box-shadow:4px 4px 4px 4px rgb(150, 143,  
176) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.2366, 29.2635, 45.1291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 143, 176) }
```

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

```
.background{ background-color: rgb(150,  
143, 176) }
```

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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