

# Converting Colors

XYZ(36.5149, 34.3525, 67.4393)

Have a look what the booklet for  
XYZ(36.5149, 34.3525, 67.4393)  
contains.

<b>XYZ(36.5383, 34.3589, 67.6569)</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(36.5383, 34.3589,  
67.6569)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9999D5
RGB	153, 153, 213
RGB Percent	60%, 60%, 84%
CMY	0.4000, 0.4000, 0.1647
CMYK	0.28, 0.28, 0.00, 0.16
HSL	240°, 42%, 72%
HSV	240°, 28%, 84%
XYZ	36.5383, 34.3589, 67.6569
YIQ	159.8400, -19.2600, 18.6600

# Conversions

## Conversions Part 2

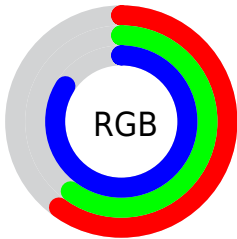
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	153, 153, 213
Decimal	10066389
CIE Lab	65.25, 13.36, -30.59
CIE LCh	65, 33.376, 293.592
Yxy	34.3589, 0.2637, 0.2480
Android (android.graphics.Color)	4288256469 (0xFF9999D5)
YUV	159.8400, 26.2079, -5.9987
Hunter-Lab	58.6165, 8.6883, -27.4028

# Details

The XYZ color **36.5383, 34.3589, 67.6569** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **56.9850, 64.0347, 39.4945**, and the grayscale version is **33.2304, 34.9610, 38.0725**.

A 20% lighter version of the original color is **66.3752, 65.2555, 103.7050**, and **16.1785, 14.6807, 34.3287** is the 20% darker color. If you saturate the color by 10%, you get **29.6907, 26.1080, 66.4258**, and if you desaturate by 10%, it is **44.7281, 44.2270, 69.1306**.

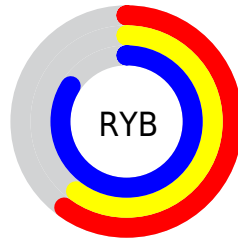
# Distribution



Red (60%)

Green (60%)

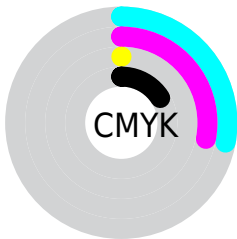
Blue (84%)



Red (60%)

Yellow (60%)

Blue (84%)

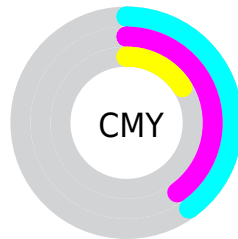


Cyan (28%)

Magenta (28%)

Yellow (0%)

Black (16%)



Cyan (40%)

Magenta (40%)

Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5383, 34.3589, 67.6569 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 36.5383, 34.3589, 67.6569 by changing the saturation by 10% instead.



■ 36.5383, 34.3589,  
67.6569

■ 36.5383, 34.3589,  
67.6569

322.6976,  
321.7294, 470.8444

■ 25.0223, 23.1695,  
49.1537

■ 69.1806, 66.4914,  
117.5107

■ 16.2225, 14.7187,  
34.3750

■ 91.0375, 88.2032,  
149.6985

■ 9.7735, 8.6222,  
22.9021

117.0721,  
114.1913, 187.2848

■ 5.3102, 4.4956,  
14.3166

147.6497,  
144.8401, 230.6883

■ 2.4670, 1.9545,  
8.2000

183.1357,  
180.5339, 280.3275

■ 0.8786, 0.5808,  
4.1336

223.8955,

■ 0.0000, 0.0000,

221.6571, 336.6209

1.6989

270.2943,  
268.5941, 399.9870

■ 0.0000, 0.0000,  
0.3600

■ 0.0000, 0.0000,  
0.0000

■ 36.5383, 34.3589,  
67.6569

■ 36.5383, 34.3589,  
67.6569

■ 29.6907, 26.1080,  
66.4258

■ 44.7281, 44.2270,  
69.1306

■ 24.1105, 19.3842,  
65.4221

■ 54.3225, 55.7876,  
70.8563

■ 19.7210, 14.0952,  
64.6326

■ 65.3844, 69.1164,  
72.8460

■ 16.4358, 10.1366,  
64.0416

■ 77.9718, 84.2834,  
75.1101

■ 14.1566, 7.3904,  
63.6317

■ 89.0103, 97.5841,  
77.0956

■ 12.7683, 5.7174,  
63.3820

■ 12.1016, 4.9141,  
63.2620

■ 12.0104, 4.8042,  
63.2456

# Harmonies

## Analogous

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



31.6260, 34.3589, 70.7731



36.5383, 34.3589, 67.6569



40.7628, 34.3589, 55.6328

# Triad

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



36.5383, 34.3589, 67.6569



38.5184, 34.3589, 19.7529



24.2294, 34.3589, 34.5051

# Complementary

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



36.5383, 34.3589, 67.6569



56.9850, 64.0347, 39.4945

# 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.



25.7042, 34.3589, 23.6781



36.5383, 34.3589, 67.6569



33.7104, 34.3589, 16.6327

# Square

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



36.5383, 34.3589, 67.6569



41.9829, 34.3589, 27.6970



29.0610, 34.3589, 17.8666



24.8260, 34.3589, 49.1660



# Rectangle

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



36.5383, 34.3589, 67.6569



42.4577, 34.3589, 45.4845



29.0610, 34.3589, 17.8666



24.4942, 34.3589, 30.3543

# Sweetspot

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



36.5395, 34.3603, 67.6577



81.7730, 84.0022, 106.5119



48.8156, 59.1150, 71.1254



17.0031, 17.3779, 22.7081



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.



36.5395, 34.3603, 67.6577



48.3207, 43.6945, 100.4948



42.6938, 37.5327, 67.9457



11.7427, 12.0088, 15.6365



7.3364, 2.9346, 38.6329



0.4425, 0.1770, 2.3302



# Inverse Universe

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



44.5825, 39.2295, 35.3608



62.3941, 52.2146, 43.9831



49.3120, 60.0794, 39.1355



12.4233, 12.4208, 12.9034



16.7619, 8.6411, 0.7845

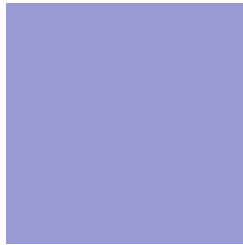


1.0110, 0.5212, 0.0473



# Previews

## White Background



This preview shows how the XYZ color 36.5383, 34.3589, 67.6569 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

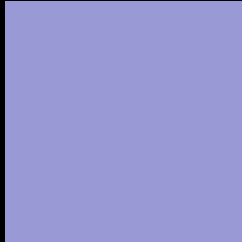
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.5383, 34.3589, 67.6569 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 ✓ Pass

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

**XYZ 36.5383, 34.3589, 67.6569**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.5383, 34.3589, 67.6569.



This preview shows how white text looks on a background with the XYZ color 36.5383, 34.3589,



# 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

36.5383, 34.3589, 67.6569

### Protanopia

35.1387, 34.3460, 69.0674

### Deuteranopia

35.0998, 34.3700, 67.0715



## Tritanopia

31.9647, 34.5266, 44.5147

# Trichromacy



## Original Color

36.5383, 34.3589, 67.6569

## Protanomaly

35.5360, 34.3175, 68.3693

## Deuteranomaly

35.6376, 34.3992, 67.0488

## Tritanomaly

33.5167, 34.3805, 52.4465

# Monochromacy



## Original Color

36.5383, 34.3589, 67.6569

## Achromatopsia

33.4132, 35.1533, 38.2819

## Achromatomaly

34.0983, 34.5367, 47.5169

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.5383, 34.3589, 67.6569 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(153, 153, 213)` looks like.

```
.text, #text, p{  
    color:rgb(153, 153, 213)  
}
```

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(153, 153, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 153, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 36.5383, 34.3589, 67.6569 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(153, 153, 213) }
```



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

```
.border{ border-color:rgb(153, 153, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 153, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 153, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 153, 213);  
box-shadow:4px 4px 4px 4px rgb(153, 153,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.5383, 34.3589, 67.6569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 153, 213) }
```

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

```
.background{ background-color: rgb(153,  
153, 213) }
```

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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