

# Converting Colors

XYZ(36.9355, 28.6823, 60.0894)

Have a look what the booklet for  
XYZ(36.9355, 28.6823, 60.0894)  
contains.

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# Color

**XYZ(36.9355, 28.6823,  
60.0894)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B47DCB
RGB	180, 125, 203
RGB Percent	71%, 49%, 80%
CMY	0.2941, 0.5098, 0.2039
CMYK	0.11, 0.38, 0.00, 0.20
HSL	282°, 43%, 64%
HSV	282°, 38%, 80%
XYZ	36.9355, 28.6823, 60.0894
YIQ	150.3370, 7.7420, 35.9180

# Conversions

## Conversions Part 2

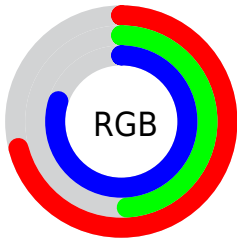
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	180, 125, 203
Decimal	11828683
CIE <sub>Lab</sub>	60.50, 35.13, -32.15
CIE <sub>LCh</sub>	61, 47.621, 317.532
Yxy	28.6823, 0.2938, 0.2282
Android (android.graphics.Color)	4290018763 (0xFFB47DCB)
YUV	150.3370, 25.9629, 26.0145
Hunter-Lab	53.5559, 29.3821, -29.0340

# Details

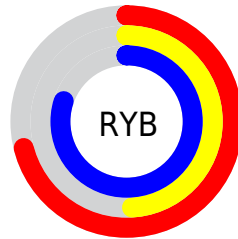
The XYZ color **36.9355, 28.6823, 60.0894** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **37.2712, 50.4891, 27.1842**, and the grayscale version is **29.0242, 30.5357, 33.2534**.

A 20% lighter version of the original color is **68.8954, 57.0653, 101.9913**, and **16.5451, 11.6377, 29.8080** is the 20% darker color. If you saturate the color by 10%, you get **33.2601, 23.3552, 59.2553**, and if you desaturate by 10%, it is **41.1982, 35.0931, 61.1026**.

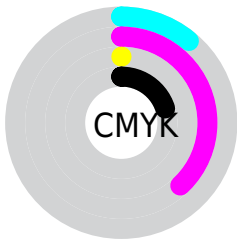
# Distribution



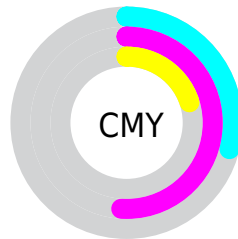
- Red (71%)
- Green (49%)
- Blue (80%)



- Red (71%)
- Yellow (49%)
- Blue (80%)



- Cyan (11%)
- Magenta (38%)
- Yellow (0%)
- Black (20%)




- Cyan (29%)
- Magenta (51%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9355, 28.6823, 60.0894 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 36.9355, 28.6823, 60.0894 by changing the saturation by 10% instead.





 36.9355, 28.6823,  
60.0894


 36.9355, 28.6823,  
60.0894

324.3916,  
295.7130, 442.7410


 25.3310, 18.8406,  
43.0649


 69.7880, 57.5719,  
106.5040

 16.4539, 11.5552,  
29.6043


 91.7668, 77.3887,  
136.7312

 9.9388, 6.4416,  
19.2889


 117.9344,  
101.2992, 172.1964

 5.4203, 3.1154,  
11.7003

148.6561,  
129.6880, 213.3181

 2.5332, 1.1923,  
6.4199

184.2973,  
162.9394, 260.5148

 0.9120, 0.0554,  
3.0292

225.2234,

 0.0000, 0.0000,

201.4377, 314.2052

1.1095

271.7997,  
245.5675, 374.8078

■ 0.0000, 0.0000,  
0.0000

■ 36.9355, 28.6823,  
60.0894

■ 36.9355, 28.6823,  
60.0894

■ 33.2601, 23.3552,  
59.2553

■ 41.1982, 35.0931,  
61.1026

■ 30.1362, 19.0434,  
58.5877

■ 46.0754, 42.6434,  
62.3029

■ 27.5281, 15.6763,  
58.0753

■ 51.5962, 51.3894,  
63.7001

■ 25.3946, 13.1723,  
57.7044

■ 57.7868, 61.3823,  
65.3026

■ 23.6871, 11.4357,  
57.4592

■ 64.6719, 72.6706,  
67.1186

■ 22.3311, 10.3185,  
57.3150

■ 72.2748, 85.2998,  
69.1556

■ 22.1319, 10.1642,  
57.2957

■ 76.6340, 91.3461,  
70.0928

■ 78.4991, 92.3076,  
70.1801

■ 80.4300, 93.3030,  
70.2705

# Harmonies

## Analogous

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



30.9767, 28.6823, 75.8651



36.9355, 28.6823, 60.0894



40.4972, 28.6823, 39.1173

# Triad

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



36.9355, 28.6823, 60.0894



29.8920, 28.6823, 8.4766



17.4787, 28.6823, 42.5685

# Complementary

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



36.9355, 28.6823, 60.0894



37.2712, 50.4891, 27.1842

# 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.



17.2787, 28.6823, 24.4815



36.9355, 28.6823, 60.0894



23.8562, 28.6823, 8.8051

# Square

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



36.9355, 28.6823, 60.0894



36.0394, 28.6823, 12.3333



19.4442, 28.6823, 13.5061



20.0392, 28.6823, 63.4182



# Rectangle

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



36.9355, 28.6823, 60.0894



40.7276, 28.6823, 27.0027



19.4442, 28.6823, 13.5061



17.1487, 28.6823, 35.8772

# Sweetspot

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



36.9365, 28.6835, 60.0900



82.8113, 80.3353, 105.7494



29.8907, 29.9785, 60.7113



17.4613, 16.7767, 22.5679



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.



36.9365, 28.6835, 60.0900



56.7356, 40.5910, 99.4523



40.9755, 30.9698, 51.0574



11.3529, 11.2312, 14.1399



14.1795, 6.5173, 36.4669



0.8051, 0.3742, 1.8847



# Inverse Universe

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



37.3083, 29.5029, 31.7462



57.7596, 42.3406, 44.3032



34.5923, 48.9837, 32.6763



11.3462, 11.2672, 12.3575



16.2252, 8.3007, 3.6389

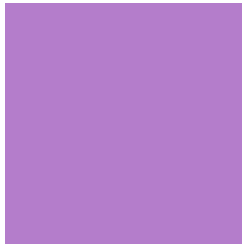


0.8706, 0.4417, 0.3645



# Previews

## White Background



This preview shows how the XYZ color 36.9355, 28.6823, 60.0894 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

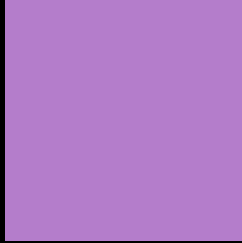
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.9355, 28.6823, 60.0894 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 36.9355, 28.6823, 60.0894**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.9355, 28.6823, 60.0894.



This preview shows how white text looks on a background with the XYZ color 36.9355, 28.6823,



# 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

36.9355, 28.6823, 60.0894

### Protanopia

30.5133, 29.0734, 70.3332

### Deuteranopia

29.4880, 28.8159, 58.0407



## Tritanopia

31.2254, 28.7686, 31.5109

# Trichromacy



## Original Color

36.9355, 28.6823, 60.0894

## Protanomaly

32.1112, 28.4462, 66.7490

## Deuteranomaly

31.5837, 28.3574, 58.4525

## Tritanomaly

33.0418, 28.6790, 40.3533

# Monochromacy



## Original Color

36.9355, 28.6823, 60.0894

## Achromatopsia

28.9890, 30.4987, 33.2131

## Achromatomaly

31.3843, 29.4914, 41.5744

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.9355, 28.6823, 60.0894 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(180, 125, 203)` looks like.

```
.text, #text, p{  
    color:rgb(180, 125, 203)  
}
```

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(180, 125, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 125, 203) }
```

## Border

The CSS property to change the border of an element to XYZ 36.9355, 28.6823, 60.0894 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(180, 125, 203) }
```



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

```
.border{ border-color:rgb(180, 125, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 125, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 125, 203); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 125, 203); box-shadow:4px 4px 4px 4px rgb(180, 125, 203) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.9355, 28.6823, 60.0894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 125, 203) }
```

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

```
.background{ background-color: rgb(180,  
125, 203) }
```

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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