

# Converting Colors

XYZ(38.4273, 24.3838, 56.8439)

Have a look what the booklet for  
XYZ(38.4273, 24.3838, 56.8439)  
contains.

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# Color

**XYZ(38.3105, 24.3697,  
56.7175)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C95DC7
RGB	201, 93, 199
RGB Percent	79%, 36%, 78%
CMY	0.2118, 0.6353, 0.2196
CMYK	0.00, 0.54, 0.01, 0.21
HSL	301°, 50%, 58%
HSV	301°, 54%, 79%
XYZ	38.3105, 24.3697, 56.7175
YIQ	137.3760, 30.3420, 55.8620

# Conversions

## Conversions Part 2

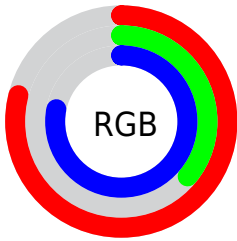
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	201, 93, 199
Decimal	13196743
CIE Lab	56.46, 57.03, -36.00
CIE LCh	56, 67.443, 327.741
Yxy	24.3697, 0.3209, 0.2041
Android (android.graphics.Color)	4291386823 (0xFFC95DC7)
YUV	137.3760, 30.3806, 55.7982
Hunter-Lab	49.3657, 52.1360, -33.5638

# Details

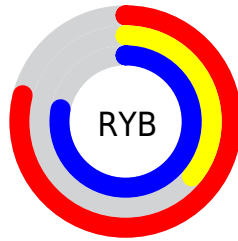
The XYZ color **38.3105, 24.3697, 56.7175** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **27.4674, 44.9275, 18.0520**, and the grayscale version is **23.8015, 25.0410, 27.2697**.

A 20% lighter version of the original color is **69.8799, 49.6598, 100.5100**, and **17.2433, 9.2354, 27.6618** is the 20% darker color. If you saturate the color by 10%, you get **36.7297, 21.2765, 55.9777**, and if you desaturate by 10%, it is **40.3567, 28.3923, 57.6134**.

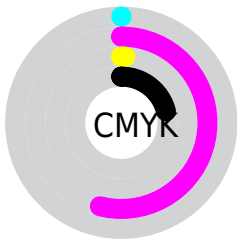
# Distribution



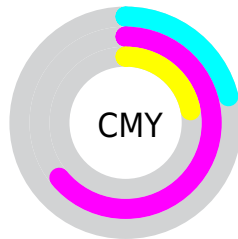
- Red (79%)
- Green (36%)
- Blue (78%)



- Red (79%)
- Yellow (36%)
- Blue (78%)



- Cyan (0%)
- Magenta (54%)
- Yellow (1%)
- Black (21%)



- Cyan (21%)
- Magenta (64%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3105, 24.3697, 56.7175 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 38.3105, 24.3697, 56.7175 by changing the saturation by 10% instead.



38.3105, 24.3697,  
56.7175

38.3105, 24.3697,  
56.7175

330.2079,  
274.6843, 429.8540

26.4021, 15.6081,  
40.3706

71.8846, 50.6328,  
101.5491

17.2589, 9.2473,  
27.5117

94.2811, 68.9031,  
130.8709

10.5157, 4.9028,  
17.7220

120.9042, 91.1118,  
165.3548

5.8071, 2.1903,  
10.5832

152.1194,  
117.6432, 205.4193

2.7677, 0.7147,  
5.6767

188.2920,  
148.8818, 251.4829

1.0321, 0.0000,  
2.5839

229.7874,

0.0000, 0.0000,

185.2119, 303.9642

0.8841

276.9709,  
227.0179, 363.2817

■ 0.0000, 0.0000,  
0.0000

■ 38.3105, 24.3697,  
56.7175

■ 38.3105, 24.3697,  
56.7175

■ 36.7297, 21.2765,  
55.9777

■ 40.3567, 28.3923,  
57.6134

■ 35.5745, 19.0351,  
55.3802

■ 42.8989, 33.4072,  
58.6748

■ 34.8030, 17.5609,  
54.9110

■ 45.9681, 39.4759,  
59.9125

■ 34.3634, 16.7502,  
54.5530

■ 49.5918, 46.6536,  
61.3355

■ 34.1976, 16.4616,  
54.3654

■ 53.7960, 54.9921,  
62.9526

■ 58.6048, 64.5396,  
64.7717

■ 64.0410, 75.3416,  
66.8005

■ 70.1262, 87.4415,  
69.0461

■ 70.5500, 88.2186,  
69.4051

# Harmonies

## Analogous

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



30.8730, 24.3697, 85.6395



38.3105, 24.3697, 56.7175



41.6249, 24.3697, 28.2651

# Triad

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



38.3105, 24.3697, 56.7175



23.7593, 24.3697, 2.5920



12.2582, 24.3697, 51.9861

# Complementary

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



38.3105, 24.3697, 56.7175



27.4674, 44.9275, 18.0520

# 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.



11.1713, 24.3697, 24.8760



38.3105, 24.3697, 56.7175



16.8565, 24.3697, 3.7781

# Square

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



38.3105, 24.3697, 56.7175



32.1307, 24.3697, 4.2592



12.6494, 24.3697, 9.5711



16.0410, 24.3697, 81.9924



# Rectangle

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



38.3105, 24.3697, 56.7175



40.5960, 24.3697, 15.4755



12.6494, 24.3697, 9.5711



11.6085, 24.3697, 41.9017

# Sweetspot

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



38.3114, 24.3708, 56.7180



83.2658, 76.6259, 104.3728



19.1566, 14.4692, 57.0422



17.5388, 15.8395, 22.2291



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.



38.3114, 24.3708, 56.7180



62.6169, 35.9065, 95.7067



33.1290, 22.2979, 29.4281



11.0743, 10.8131, 13.3746



21.5059, 10.3519, 34.2035



1.0211, 0.4913, 1.6341



# Inverse Universe

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



38.3114, 24.3708, 56.7180



62.6169, 35.9065, 95.7067



30.8107, 46.2649, 35.6575



11.0743, 10.8131, 13.3746



21.5059, 10.3519, 34.2035

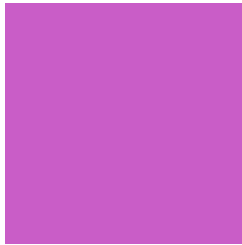


1.0211, 0.4913, 1.6341



# Previews

## White Background



This preview shows how the XYZ color 38.3105, 24.3697, 56.7175 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

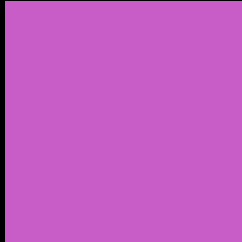
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.3105, 24.3697, 56.7175 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

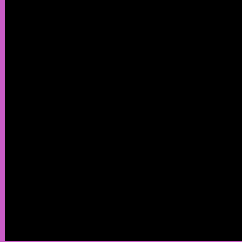
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 38.3105, 24.3697, 56.7175**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.3105, 24.3697, 56.7175.



This preview shows how white text looks on a background with the XYZ color 38.3105, 24.3697,



# 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

38.3105, 24.3697, 56.7175

### Protanopia

27.5091, 24.9336, 80.4536

### Deuteranopia

25.2420, 24.5690, 53.2811



## Tritanopia

31.0945, 24.3972, 21.1594

# Trichromacy



## Original Color

38.3105, 24.3697, 56.7175



## Protanomaly

29.0453, 23.0829, 71.3312



## Deuteranomaly

28.4798, 23.3368, 54.6332



## Tritanomaly

33.0845, 24.0801, 31.3379

# Monochromacy



## Original Color

38.3105, 24.3697, 56.7175



## Achromatopsia

23.7775, 25.0158, 27.2422



## Achromatomaly

27.6797, 23.6864, 36.3708

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.3105, 24.3697, 56.7175 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(201, 93, 199)` looks like.

```
.text, #text, p{  
    color:rgb(201, 93, 199)  
}
```

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(201, 93, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 93, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 38.3105, 24.3697, 56.7175 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(201, 93, 199) }
```



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

```
.border{ border-color:rgb(201, 93, 199) }
```

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

Here you see how a box with a 4 pixel rgb(201, 93, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 93, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 93, 199);  
box-shadow:4px 4px 4px 4px rgb(201, 93,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.3105, 24.3697, 56.7175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 93, 199) }
```

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

```
.background{ background-color: rgb(201, 93,  
199) }
```

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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