

# Converting Colors

XYZ(35.2479, 25.0055, 40.0146)

Have a look what the booklet for  
XYZ(35.2479, 25.0055, 40.0146)  
contains.

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# Color

**XYZ(35.2479, 25.0055,  
40.0146)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C56AA8
RGB	197, 106, 168
RGB Percent	77%, 42%, 66%
CMY	0.2274, 0.5843, 0.3412
CMYK	0.00, 0.46, 0.15, 0.23
HSL	319°, 44%, 59%
HSV	319°, 46%, 77%
XYZ	35.2479, 25.0055, 40.0146
YIQ	140.2770, 34.3340, 38.5740

# Conversions

## Conversions Part 2

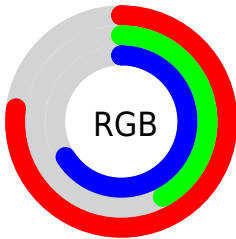
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	197, 106, 168
Decimal	12937896
CIE <sub>Lab</sub>	57.08, 44.22, -17.26
CIE <sub>LCh</sub>	57, 47.470, 338.684
Yxy	25.0055, 0.3515, 0.2494
Android (android.graphics.Color)	4291127976 (0xFFC56AA8)
YUV	140.2770, 13.6674, 49.7461
Hunter-Lab	50.0055, 38.3115, -12.4402

# Details

The XYZ color **35.2479, 25.0055, 40.0146** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **30.2844, 44.7468, 29.9644**, and the grayscale version is **24.9748, 26.2754, 28.6139**.

A 20% lighter version of the original color is **67.1301, 51.7293, 76.2587**, and **15.4561, 9.5620, 17.5540** is the 20% darker color. If you saturate the color by 10%, you get **32.8753, 21.1736, 36.4073**, and if you desaturate by 10%, it is **38.1166, 29.7837, 43.9271**.

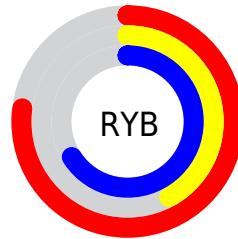
# Distribution



Red (77%)

Green (42%)

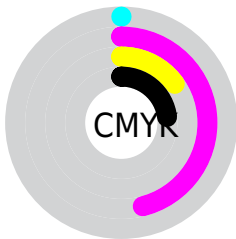
Blue (66%)



Red (77%)

Yellow (42%)

Blue (66%)

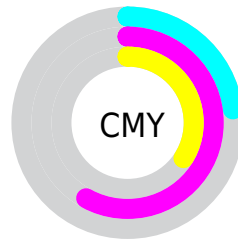


Cyan (0%)

Magenta (46%)

Yellow (15%)

Black (23%)



Cyan (23%)

Magenta (58%)


Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2479, 25.0055, 40.0146 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 35.2479, 25.0055, 40.0146 by changing the saturation by 10% instead.




 35.2479, 25.0055,  
40.0146


 35.2479, 25.0055,  
40.0146


317.1501,  
277.8653, 361.7390


 24.0213, 16.0812,  
27.2361


 67.2011, 51.6661,  
76.4231


 15.4742, 9.5816,  
17.5166


 88.6585, 70.1712,  
100.8901

 9.2414, 5.1224,  
10.4376


 114.2568, 92.6387,  
130.0903

 4.9573, 2.3193,  
5.5807

 144.3614,  
119.4529, 164.4424

 2.2567, 0.7839,  
2.5272

179.3377,  
150.9983, 204.3647

 0.7724, 0.0000,  
0.8545

219.5510,

 0.0000, 0.0000,

187.6592, 250.2759

0.0000

265.3666,  
229.8201, 302.5945

■ 35.2479, 25.0055,  
40.0146

■ 35.2479, 25.0055,  
40.0146

■ 32.8753, 21.1736,  
36.4073

■ 38.1166, 29.7837,  
43.9271

■ 30.9637, 18.2194,  
33.0909

■ 41.5087, 35.5633,  
48.1550

■ 29.4769, 16.0711,  
30.0516


■ 45.4524, 42.3995,  
52.7099


■ 28.3722, 14.6435,  
27.2729


■ 49.9728, 50.3422,  
57.6020


■ 27.5950, 13.8283,  
24.7348


■ 55.0938, 59.4385,  
62.8411

 27.3444, 13.5977,  
23.8172

 60.8377, 69.7324,  
68.4363

 67.2257, 81.2658,  
74.3965

 71.4709, 88.4643,  
79.7943

 72.3095, 88.7998,  
84.2103

# Harmonies

## Analogous

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



31.1353, 25.0055, 59.0047



35.2479, 25.0055, 40.0146



36.0496, 25.0055, 22.8396

# Triad

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



35.2479, 25.0055, 40.0146



22.1812, 25.0055, 6.7296



16.3275, 25.0055, 51.3452

# Complementary

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



35.2479, 25.0055, 40.0146



30.2844, 44.7468, 29.9644

# 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.



14.6490, 25.0055, 32.1425



35.2479, 25.0055, 40.0146



17.6638, 25.0055, 9.5774

# Square

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



35.2479, 25.0055, 40.0146



27.8907, 25.0055, 7.4436



15.0966, 25.0055, 17.5027



20.0712, 25.0055, 67.1329



# Rectangle

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



35.2479, 25.0055, 40.0146



34.4944, 25.0055, 14.9663



15.0966, 25.0055, 17.5027



15.5320, 25.0055, 44.8291

# Sweetspot

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



35.2487, 25.0067, 40.0151



82.9217, 78.5885, 96.0864



25.1954, 19.4763, 55.2552



17.3893, 16.1930, 20.1674



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.



35.2487, 25.0067, 40.0151



59.0129, 38.1328, 65.4207



31.7363, 23.6017, 21.5194



10.9337, 10.7569, 12.6342



18.0249, 8.9595, 15.8728



0.8854, 0.4370, 0.9195



# Inverse Universe

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



35.2487, 25.0067, 40.0151



59.0129, 38.1328, 65.4207



34.1816, 46.3057, 50.4865



10.9337, 10.7569, 12.6342



18.0249, 8.9595, 15.8728



0.8854, 0.4370, 0.9195



# Previews

## White Background



This preview shows how the XYZ color 35.2479, 25.0055, 40.0146 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

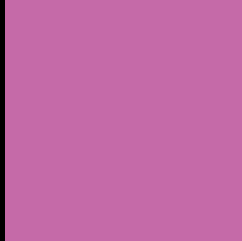
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.2479, 25.0055, 40.0146 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

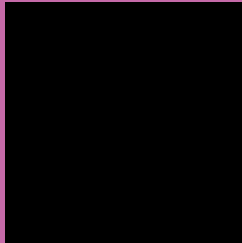
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 35.2479, 25.0055, 40.0146**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.2479, 25.0055, 40.0146.



This preview shows how white text looks on a background with the XYZ color 35.2479, 25.0055,



# 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

35.2479, 25.0055, 40.0146

### Protanopia

25.8746, 25.3474, 51.6729

### Deuteranopia

25.6172, 25.0978, 38.1445



## Tritanopia

31.5071, 24.9232, 22.2188

# Trichromacy



## Original Color

35.2479, 25.0055, 40.0146

## Protanomaly

28.0685, 24.3930, 46.9450

## Deuteranomaly

28.2973, 24.5028, 38.8354

## Tritanomaly

32.7759, 24.9511, 27.8995

# Monochromacy



## Original Color

35.2479, 25.0055, 40.0146

## Achromatopsia

24.9269, 26.2251, 28.5591

## Achromatomaly

27.9221, 25.2174, 32.2500

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.2479, 25.0055, 40.0146 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(197, 106, 168)` looks like.

```
.text, #text, p{  
    color:rgb(197, 106, 168)  
}
```

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(197, 106, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 106, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 35.2479, 25.0055, 40.0146 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(197, 106, 168) }
```



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

```
.border{ border-color:rgb(197, 106, 168) }
```

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

Here you see how a box with a 4 pixel rgb(197, 106, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 106, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 106, 168);  
box-shadow:4px 4px 4px 4px rgb(197, 106,  
168) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.2479, 25.0055, 40.0146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 106, 168) }
```

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

```
.background{ background-color: rgb(197,  
106, 168) }
```

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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