

# Converting Colors

CIELCh(55, 69.253, 353.238)

Have a look what the booklet for  
CIELCh(55, 69.253, 353.238)  
contains.

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**Color**

**CIELCh(55, 69.255, 353.096)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E64294
RGB	230, 66, 148
RGB Percent	90%, 26%, 58%
CMY	0.0971, 0.7402, 0.4188
CMYK	0.00, 0.71, 0.36, 0.10
HSL	330°, 77%, 58%
HSV	330°, 71%, 90%
XYZ	40.0298, 22.9298, 30.4146
YIQ	124.3840, 71.4220, 60.2700

# Conversions

## Conversions Part 2

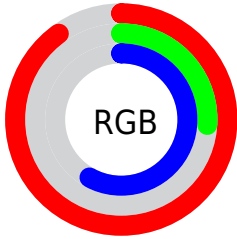
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 66, 148
Decimal	15090324
CIE Lab	55.00, 68.75, -8.32
CIE LCh	55, 69.255, 353.096
Yxy	22.9298, 0.4287, 0.2456
Android (android.graphics.Color)	4293280404 (0xFFE64294)
YUV	124.3840, 11.6427, 92.6252
Hunter-Lab	47.8851, 65.4189, -4.1389

# Details

The CIELCh color **55, 69.255, 353.096** is a light color, and the websafe version is hex **FF3399**. The color can be described as light muted rose. A complement of this color would be **82, 66.320, 154.909**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 59.958, 343.961**, and **37, 63.794, 355.244** is the 20% darker color. If you saturate the color by 10%, you get **52, 74.427, 355.759**, and if you desaturate by 10%, it is **59, 61.997, 350.981**.

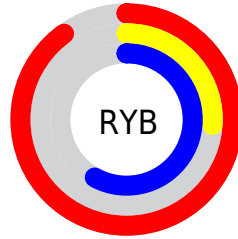
# Distribution



Red (90%)

Green (26%)

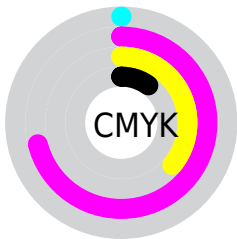
Blue (58%)



Red (90%)

Yellow (26%)

Blue (58%)

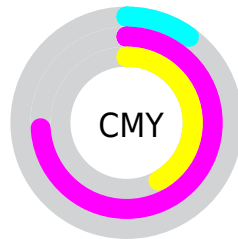


Cyan (0%)

Magenta (71%)

Yellow (36%)

Black (10%)



Cyan (10%)

Magenta (74%)


Yellow (42%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 69.255, 353.096 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 CIELCh color 55, 69.255, 353.096 by changing the saturation by 10% instead.





 55, 69.255,  
353.096


 55, 69.255,  
353.096


 100, 69.255,  
353.096


 45, 69.255,  
353.096


 75, 69.255,  
353.096

 35, 69.255,  
353.096

 85, 69.255,  
353.096

 25, 69.255,  
353.096

 95, 69.255,  
353.096

 15, 69.255,  
353.096

 5, 69.255, 353.096

 0, 69.255, 353.096

■ 55, 69.255,  
353.096

■ 55, 69.255,  
353.096

■ 52, 74.427,  
355.759

■ 59, 61.997,  
350.981

■ 51, 77.308,  
359.133

■ 63, 53.152,  
349.264

■ 50, 78.361, 2.698

■ 68, 43.268,  
347.834

■ 73, 32.827,  
346.612

■ 79, 22.194,  
345.541

■ 85, 11.619,  
344.577

■ 91, 1.256, 343.406

■ 97, 8.808, 163.043



# Harmonies

# Complementary

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



55, 69.255, 353.096



82, 66.320, 154.909

# Rectangle

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



55, 69.255, 353.096



55, 69.255, 43.096



55, 69.255, 173.096



55, 69.255, 223.096

# Sweetspot

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



55, 69.251, 353.097



86, 23.856, 345.530



47, 94.064, 312.478



44, 16.180, 345.815



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



55, 69.251, 353.097



57, 82.030, 357.098



53, 72.992, 31.002



45, 5.852, 344.413



38, 64.856, 1.907



7, 27.609, 354.952



# Inverse Universe

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



55, 69.251, 353.097



57, 82.030, 357.098



84, 42.267, 196.642



45, 5.852, 344.413



38, 64.856, 1.907



7, 27.609, 354.952



# Previews

## White Background



This preview shows how the CIELCh color 55, 69.255, 353.096 looks on a white background.

## Color Contrast Check

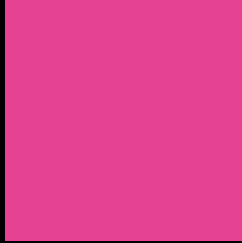
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



This preview shows how the CIELCh color 55, 69.255, 353.096 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

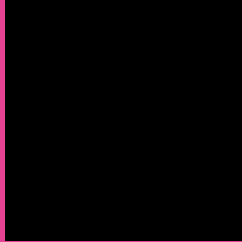
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 55, 69.255, 353.096

## Background



This preview shows how black text looks on a background with the CIELCh color 55, 69.255, 353.096.



This preview shows how white text looks on a background with the CIELCh color 55, 69.255, 353.096.

# 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

55, 69.255, 353.096

### Protanopia

55, 35.212, 285.187

### Deuteranopia

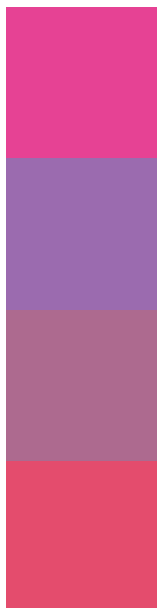
55, 8.600, 327.067





**Tritanopia**  
55, 62.699, 26.236

# Trichromacy



**Original Color**  
55, 69.255, 353.096

**Protanomaly**  
52, 42.685, 317.557

**Deuteranomaly**  
53, 33.278, 344.443

**Tritanomaly**  
55, 62.626, 13.531

# Monochromacy



**Original Color**  
55, 69.255, 353.096

**Achromatopsia**  
52, 0.007, 296.813

**Achromatomaly**  
51, 28.608, 347.576

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 55, 69.255, 353.096 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(230, 66, 148)` looks like.

```
.text, #text, p{  
    color:rgb(230, 66, 148)  
}
```

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(230, 66, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 66, 148) }
```

## Border

The CSS property to change the border of an element to CIELCh 55, 69.255, 353.096 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(230, 66, 148) }
```

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

```
.border{ border-color:rgb(230, 66, 148) }
```

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

Here you see how a box with a 4 pixel rgb(230, 66, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 66, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 66, 148);  
box-shadow:4px 4px 4px 4px rgb(230, 66,  
148) }
```

# Background

The CSS property to change the background color of an element to CIELCh 55, 69.255, 353.096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 66, 148) }
```

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

```
.background{ background-color: rgb(230, 66,  
148) }
```

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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