

# Converting Colors

CIELCh(53, 3.293, 240.048)

Have a look what the booklet for  
CIELCh(53, 3.293, 240.048) contains.

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# Color

**CIELCh(53, 3.196, 232.209)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	798083
RGB	121, 128, 131
RGB Percent	47%, 50%, 51%
CMY	0.5265, 0.4991, 0.4873
CMYK	0.08, 0.02, 0.00, 0.49
HSL	198°, 4%, 49%
HSV	198°, 8%, 51%
XYZ	19.6112, 21.0462, 24.4064
YIQ	126.2490, -5.1350, -0.5510

# Conversions

## Conversions Part 2

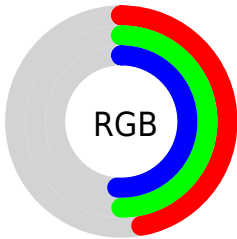
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	121, 125, 131
Decimal	7962755
CIE Lab	53.00, -1.96, -2.53
CIE LCh	53, 3.196, 232.209
Yxy	21.0462, 0.3014, 0.3235
Android (android.graphics.Color)	4286152835 (0xFF798083)
YUV	126.2490, 2.3422, -4.6034
Hunter-Lab	45.8761, -3.9778, 0.5706

# Details

The CIELCh color  $53, 3.196, 232.209$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $52, 3.321, 50.941$ , and the grayscale version is  $53, 0.007, 296.813$ .

A 20% lighter version of the original color is  $73, 3.325, 228.690$ , and  $33, 3.443, 232.485$  is the 20% darker color. If you saturate the color by 10%, you get  $51, 7.221, 232.986$ , and if you desaturate by 10%, it is  $55, 0.997, 51.009$ .

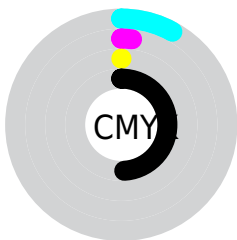
# Distribution



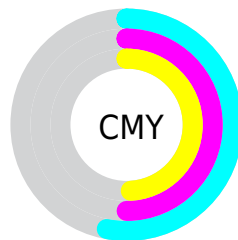
- Red (47%)
- Green (50%)
- Blue (51%)



- Red (47%)
- Yellow (49%)
- Blue (51%)



- Cyan (8%)
- Magenta (2%)
- Yellow (0%)
- Black (49%)



- Cyan (53%)
- Magenta (50%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 3.196, 232.209 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 53, 3.196, 232.209 by changing the saturation by 10% instead.



■ 53, 3.196, 232.209

■ 53, 3.196, 232.209

■ 100, 3.196,  
232.209

■ 43, 3.196, 232.209

■ 73, 3.196, 232.209

■ 33, 3.196, 232.209

■ 83, 3.196, 232.209

■ 23, 3.196, 232.209

■ 93, 3.196, 232.209

■ 13, 3.196, 232.209

■ 3, 3.196, 232.209

■ 0, 3.196, 232.209

■ 53, 3.196, 232.209

■ 53, 3.196, 232.209

■ 51, 7.221, 232.986

■ 55, 0.997, 51.009

■ 49, 11.034,

■ 57, 5.320, 50.766

234.061

60, 9.740, 50.367

47, 14.591,  
235.430

62, 14.230, 50.037

45, 17.844,  
237.153

64, 18.768, 49.773

43, 20.756,  
239.307

67, 23.335, 49.562

41, 23.301,  
241.973

71, 32.500, 49.263

40, 25.483,  
245.228

74, 37.078, 49.159

38, 27.342,  
249.119

37, 29.016,  
253.485

# Harmonies

# Complementary

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



53, 3.196, 232.209



52, 3.321, 50.941

# Rectangle

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



53, 3.196, 232.209



53, 3.196, 282.209



53, 3.196, 52.209



53, 3.196, 102.209

# Sweetspot

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



53, 3.196, 232.183



69, 1.053, 232.090



54, 5.762, 153.161



37, 0.604, 232.111



86, 0.010, 296.813



37, 0.005, 296.813



# Same Dimension

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



53, 3.196, 232.183



68, 4.667, 232.286



52, 4.618, 280.286



27, 2.378, 232.281



36, 29.309, 254.446



0, 0.580, 231.544





# Inverse Universe

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



52, 5.720, 334.734



66, 8.388, 334.846



54, 4.577, 98.517



26, 4.273, 334.841



28, 56.332, 344.236



0, 1.016, 334.275



# Previews

## White Background



This preview shows how the CIELCh color 53, 3.196, 232.209 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 53, 3.196, 232.209 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

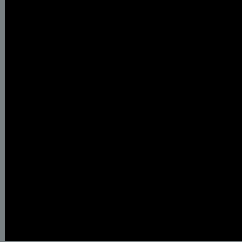
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

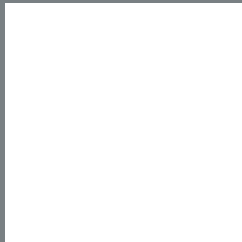
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 53, 3.196, 232.209

## Background



This preview shows how black text looks on a background with the CIELCh color 53, 3.196, 232.209.



This preview shows how white text looks on a background with the CIELCh color 53, 3.196, 232.209.

# 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

53, 3.196, 232.209

### Protanopia

53, 2.459, 309.162

### Deuteranopia

53, 7.355, 335.198



**Tritanopia**  
53, 6.054, 272.549



# Trichromacy



**Original Color**  
53, 3.196, 232.209

**Protanomaly**  
53, 1.896, 266.001

**Deuteranomaly**  
53, 4.529, 316.367

**Tritanomaly**  
53, 4.976, 268.081

# Monochromacy



**Original Color**  
53, 3.196, 232.209

**Achromatopsia**  
53, 0.007, 296.813

**Achromatomaly**  
53, 1.309, 225.847

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 53, 3.196, 232.209 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(121, 128, 131)` looks like.

```
.text, #text, p{  
    color:rgb(121, 128, 131)  
}
```

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(121, 128, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 128, 131) }
```

## Border

The CSS property to change the border of an element to CIELCh 53, 3.196, 232.209 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(121, 128, 131) }
```

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

```
.border{ border-color:rgb(121, 128, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 128, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 128, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 128, 131);  
box-shadow:4px 4px 4px 4px rgb(121, 128,  
131) }
```

# Background

The CSS property to change the background color of an element to CIELCh 53, 3.196, 232.209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 128, 131) }
```

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

```
.background{ background-color: rgb(121,  
128, 131) }
```

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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