

Converting Colors

CIELCh(35, 23.808, 153.703)

Have a look what the booklet for
CIELCh(35, 23.808, 153.703)
contains.

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Color

CIELCh(35, 23.774, 153.754)

Conversions

Conversions Part 1

Format	Color
Hex	315B41
RGB	49, 91, 65
RGB Percent	19%, 36%, 25%
CMY	0.8082, 0.6435, 0.7454
CMYK	0.46, 0.00, 0.29, 0.64
HSL	143°, 30%, 27%
HSV	143°, 46%, 36%
XYZ	5.9476, 8.4984, 6.3152
YIQ	75.4780, -16.6860, -16.9900

Conversions

Conversions Part 2

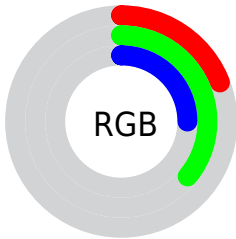
Format	Color
RYB	49, 79, 91
Decimal	3234625
CIELab	35.00, -21.32, 10.51
CIELCh	35, 23.774, 153.754
Yxy	8.4984, 0.2865, 0.4093
Android (android.graphics.Color)	4281424705 (0xFF315B41)
YUV	75.4780, -5.1657, -23.2212
Hunter-Lab	29.1520, -14.5985, 7.5624

Details

The CIELCh color **35, 23.774, 153.754** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **26, 24.316, 341.409**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 23.337, 153.861**, and **15, 24.008, 153.180** is the 20% darker color. If you saturate the color by 10%, you get **34, 28.534, 152.541**, and if you desaturate by 10%, it is **36, 18.789, 154.824**.

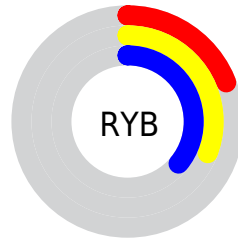
Distribution



Red (19%)

Green (36%)

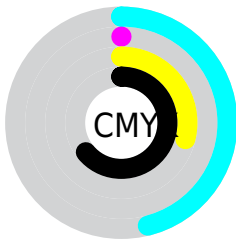
Blue (25%)



Red (19%)

Yellow (31%)

Blue (36%)

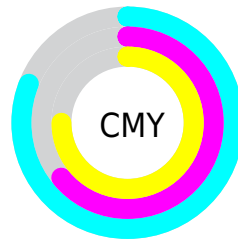


Cyan (46%)

Magenta (0%)

Yellow (29%)

Black (64%)



Cyan (81%)


Magenta (64%)


Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 23.774, 153.754 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 35, 23.774, 153.754 by changing the saturation by 10% instead.


 35, 23.774,
153.754


 35, 23.774,
153.754

 100, 23.774,
153.754


 25, 23.774,
153.754

 55, 23.774,
153.754


 15, 23.774,
153.754


 65, 23.774,
153.754

 5, 23.774, 153.754

 75, 23.774,
153.754

 0, 23.774, 153.754

 85, 23.774,
153.754

 95, 23.774,
153.754

■ 35, 23.774,
153.754

■ 35, 23.774,
153.754

■ 34, 28.534,
152.541

■ 36, 18.789,
154.824

■ 34, 32.987,
151.170

■ 36, 13.655,
155.771

■ 34, 37.060,
149.628

■ 37, 8.445, 156.616

■ 33, 40.698,
147.915

■ 38, 3.219, 157.401

■ 39, 1.971, 337.900

■ 33, 43.975,
146.177

■ 40, 7.089, 338.578

■ 33, 45.193,
145.600

■ 41, 12.106,
339.137

■ 42, 17.004,
339.641

■ 44, 21.769,

Harmonies

Complementary

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



35, 23.774, 153.754



26, 24.316, 341.409

Rectangle

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



35, 23.774, 153.754



35, 23.774, 203.754



35, 23.774, 333.754



35, 23.774, 23.754

Sweetspot

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



35, 23.775, 153.754



48, 9.002, 156.757



36, 26.236, 122.049



24, 6.153, 156.645



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



35, 23.775, 153.754



44, 34.423, 152.476



36, 16.265, 184.791



18, 2.938, 157.193



40, 52.173, 145.041



83, 95.047, 143.549

Inverse Universe

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



26, 24.316, 341.409



32, 35.139, 342.496



26, 20.346, 13.765



17, 2.958, 338.317



23, 47.769, 349.827



52, 83.212, 351.793

Previews

White Background



This preview shows how the CIELCh color 35, 23.774, 153.754 looks on a white 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 35, 23.774, 153.754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

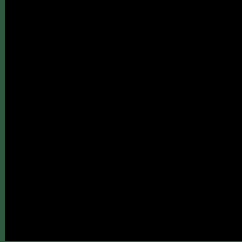
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 23.774, 153.754

Background



This preview shows how black text looks on a background with the CIELCh color 35, 23.774, 153.754.



This preview shows how white text looks on a background with the CIELCh color 35, 23.774, 153.754.

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, 23.774, 153.754

Protanopia

35, 13.308, 95.682

Deuteranopia

35, 10.172, 62.054



Tritanopia
35, 12.110, 219.333

Trichromacy



Original Color
35, 23.774, 153.754

Protanomaly
35, 15.079, 127.150

Deuteranomaly
34, 10.194, 121.281

Tritanomaly
35, 14.008, 184.535

Monochromacy



Original Color
35, 23.774, 153.754

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 9.098, 154.407

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 23.774, 153.754 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(49, 91, 65)` looks like.

```
.text, #text, p{  
    color:rgb(49, 91, 65)  
}
```

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(49, 91, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 91, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 23.774, 153.754 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(49, 91, 65) }
```

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

```
.border{ border-color:rgb(49, 91, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 91, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 91, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 91, 65);  
box-shadow:4px 4px 4px 4px rgb(49, 91, 65)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 23.774, 153.754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 91, 65) }
```

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

```
.background{ background-color: rgb(49, 91,  
65) }
```

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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