

Converting Colors

CIELCh(35, 12.584, 215.047)

Have a look what the booklet for
CIELCh(35, 12.584, 215.047)
contains.

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Color

CIELCh(35, 12.504, 212.432)

Conversions

Conversions Part 1

Format	Color
Hex	37585D
RGB	55, 88, 93
RGB Percent	22%, 35%, 36%
CMY	0.7859, 0.6565, 0.6369
CMYK	0.41, 0.05, 0.00, 0.64
HSL	188°, 26%, 29%
HSV	188°, 41%, 36%
XYZ	6.9690, 8.4984, 11.5359
YIQ	78.7030, -21.2730, -5.4410

Conversions

Conversions Part 2

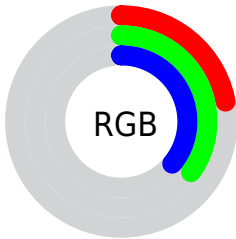
Format	Color
RYB	55, 73, 93
Decimal	3627101
CIELab	35.00, -10.55, -6.71
CIELCh	35, 12.504, 212.432
Yxy	8.4984, 0.2581, 0.3147
Android (android.graphics.Color)	4281817181 (0xFF37585D)
YUV	78.7030, 7.0484, -20.7875
Hunter-Lab	29.1520, -8.3440, -3.0556

Details

The CIELCh color **35, 12.504, 212.432** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **29, 16.547, 33.151**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 12.485, 211.665**, and **15, 12.702, 209.895** is the 20% darker color. If you saturate the color by 10%, you get **34, 14.857, 212.922**, and if you desaturate by 10%, it is **36, 9.830, 212.112**.

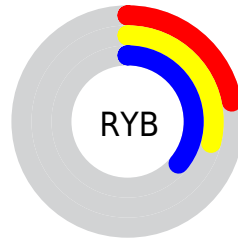
Distribution



Red (22%)

Green (35%)

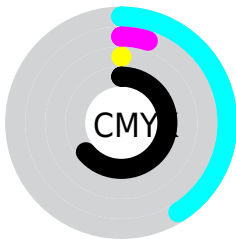
Blue (36%)



Red (22%)

Yellow (29%)

Blue (36%)

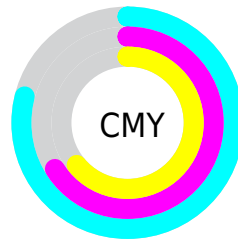


Cyan (41%)

Magenta (5%)

Yellow (0%)

Black (64%)



Cyan (79%)


Magenta (66%)


Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 12.504, 212.432 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, 12.504, 212.432 by changing the saturation by 10% instead.


 35, 12.504,
212.432


 35, 12.504,
212.432

 100, 12.504,
212.432


 25, 12.504,
212.432

 55, 12.504,
212.432


 15, 12.504,
212.432


 65, 12.504,
212.432

 5, 12.504, 212.432

 75, 12.504,
212.432

 0, 12.504, 212.432

 85, 12.504,
212.432

 95, 12.504,
212.432

■ 35, 12.504,
212.432

■ 35, 12.504,
212.432

■ 34, 14.857,
212.922

■ 36, 9.830, 212.112

■ 33, 16.845,
213.628

■ 37, 6.883, 211.943

■ 33, 18.435,
214.586

■ 38, 3.710, 211.915

■ 32, 19.610,
215.840

■ 40, 3.143, 31.847

■ 31, 20.382,
217.427

■ 42, 6.747, 32.053

■ 31, 20.980,
218.890

■ 43, 10.430, 32.263

■ 44, 14.167, 32.497

■ 46, 17.938, 32.751

Harmonies

Complementary

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



35, 12.504, 212.432



29, 16.547, 33.151

Rectangle

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



35, 12.504, 212.432



35, 12.504, 262.432



35, 12.504, 32.432



35, 12.504, 82.432

Sweetspot

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



35, 12.504, 212.429



49, 4.975, 211.909



36, 26.309, 144.824



25, 3.320, 211.908



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



35, 12.504, 212.429



44, 17.688, 212.892



29, 15.756, 273.344



18, 1.881, 211.934



37, 23.594, 219.428



76, 41.444, 221.147

Inverse Universe

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



29, 26.038, 330.536



35, 37.971, 331.075



34, 16.297, 81.897



17, 3.534, 328.699



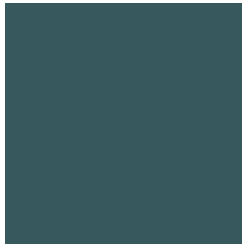
24, 56.252, 333.951



55, 98.526, 334.379

Previews

White Background



This preview shows how the CIELCh color 35, 12.504, 212.432 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, 12.504, 212.432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

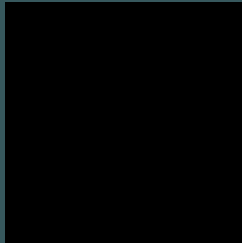
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 12.504, 212.432

Background



This preview shows how black text looks on a background with the CIELCh color 35, 12.504, 212.432.



This preview shows how white text looks on a background with the CIELCh color 35, 12.504, 212.432.

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, 12.504, 212.432

Protanopia

35, 5.027, 295.759

Deuteranopia

35, 8.936, 302.128



Tritanopia
35, 12.404, 218.771

Trichromacy



Original Color
35, 12.504, 212.432

Protanomaly
35, 6.126, 244.774

Deuteranomaly
35, 7.299, 258.288

Tritanomaly
35, 12.288, 215.836

Monochromacy



Original Color
35, 12.504, 212.432

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 5.065, 213.207

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 12.504, 212.432 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(55, 88, 93)` looks like.

```
.text, #text, p{  
    color:rgb(55, 88, 93)  
}
```

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(55, 88, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 88, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 12.504, 212.432 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(55, 88, 93) }
```

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

```
.border{ border-color:rgb(55, 88, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 88, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 88, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 88, 93);  
box-shadow:4px 4px 4px 4px rgb(55, 88, 93)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 12.504, 212.432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 88, 93) }
```

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

```
.background{ background-color: rgb(55, 88,  
93) }
```

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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