

Converting Colors

CIELCh(35, 18.987, 197.331)

Have a look what the booklet for
CIELCh(35, 18.987, 197.331)
contains.

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Color

CIELCh(35, 19.104, 196.941)

Conversions

Conversions Part 1

Format	Color
Hex	225B5B
RGB	34, 91, 91
RGB Percent	13%, 36%, 36%
CMY	0.8684, 0.6446, 0.6446
CMYK	0.63, 0.00, 0.00, 0.64
HSL	180°, 46%, 24%
HSV	180°, 63%, 36%
XYZ	6.2258, 8.4984, 11.1243
YIQ	73.9570, -33.9720, -12.0840

Conversions

Conversions Part 2

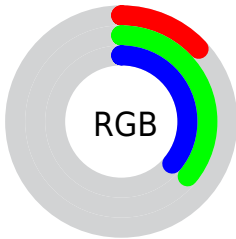
Format	Color
R_{YB}	34, 63, 91
Decimal	2251611
CIE _{Lab}	35.00, -18.27, -5.57
CIE _{LCh}	35, 19.104, 196.941
Y _{xy}	8.4984, 0.2409, 0.3288
Android (android.graphics.Color)	4280441691 (0xFF225B5B)
YUV	73.9570, 8.4022, -35.0423
Hunter-Lab	29.1520, -12.8951, -2.2185

Details

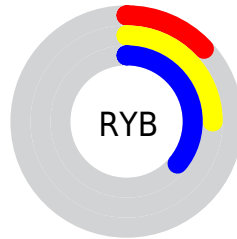
The CIELCh color **35, 19.104, 196.941** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **22, 29.471, 27.021**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 18.984, 197.600**, and **16, 14.892, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **35, 20.817, 196.727**, and if you desaturate by 10%, it is **35, 16.960, 197.209**.

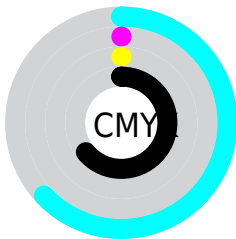
Distribution



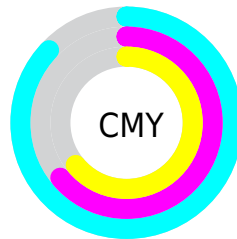
- Red (13%)
- Green (36%)
- Blue (36%)



- Red (13%)
- Yellow (25%)
- Blue (36%)



- Cyan (63%)
- Magenta (0%)
- Yellow (0%)
- Black (64%)





- Cyan (87%)
- Magenta (64%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 19.104, 196.941 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, 19.104, 196.941 by changing the saturation by 10% instead.


 35, 19.104,
196.941


 35, 19.104,
196.941

 100, 19.104,
196.941


 25, 19.104,
196.941

 55, 19.104,
196.941


 15, 19.104,
196.941


 65, 19.104,
196.941

 5, 19.104, 196.941

 75, 19.104,
196.941

 0, 19.104, 196.941

 85, 19.104,
196.941

 95, 19.104,
196.941

■ 35, 19.104,
196.941

■ 35, 19.104,
196.941

■ 35, 20.817,
196.727

■ 35, 16.960,
197.209

■ 35, 22.091,
196.570

■ 36, 14.414,
197.534

■ 34, 22.971,
196.463

■ 36, 11.507,
197.912

■ 34, 23.544,
196.394

■ 37, 8.288, 198.342

■ 38, 4.810, 198.828

■ 38, 1.124, 199.535

■ 39, 2.721, 19.666

■ 40, 6.681, 20.278

■ 41, 10.721, 20.857

Harmonies

Complementary

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



35, 19.104, 196.941



22, 29.471, 27.021

Rectangle

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



35, 19.104, 196.941



35, 19.104, 246.941



35, 19.104, 16.941



35, 19.104, 66.941

Sweetspot

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



35, 19.104, 196.939



48, 8.567, 198.498



34, 41.484, 139.437



24, 5.806, 198.412



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, 19.104, 196.939



45, 25.858, 196.635



25, 20.300, 267.377



18, 2.122, 199.057



42, 26.911, 196.394



85, 47.433, 196.394

Inverse Universe

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



24, 41.086, 327.375



29, 57.691, 327.839



29, 24.041, 68.097



17, 3.869, 324.866



25, 62.060, 328.235



56, 109.386, 328.235

Previews

White Background



This preview shows how the CIELCh color 35, 19.104, 196.941 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 CIELCh color 35, 19.104, 196.941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

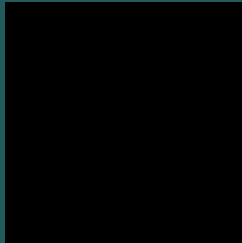
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

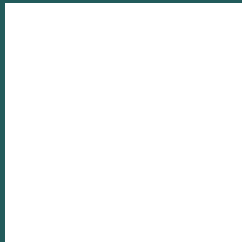
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 35, 19.104, 196.941

Background



This preview shows how black text looks on a background with the CIELCh color 35, 19.104, 196.941.



This preview shows how white text looks on a background with the CIELCh color 35, 19.104, 196.941.

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, 19.104, 196.941

Protanopia

35, 1.929, 303.205

Deuteranopia

35, 8.417, 305.619



Tritanopia
35, 17.802, 211.612

Trichromacy



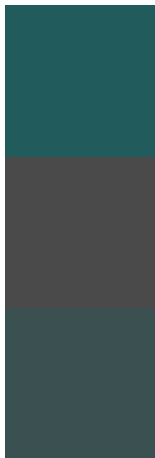
Original Color
35, 19.104, 196.941

Protanomaly
35, 8.023, 207.383

Deuteranomaly
35, 8.465, 235.079

Tritanomaly
35, 18.022, 207.245

Monochromacy



Original Color
35, 19.104, 196.941

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 8.470, 198.210

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 19.104, 196.941 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(34, 91, 91)` looks like.

```
.text, #text, p{  
    color:rgb(34, 91, 91)  
}
```

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(34, 91, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 91, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 19.104, 196.941 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(34, 91, 91) }
```

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

```
.border{ border-color:rgb(34, 91, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 91, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 91, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 91, 91);  
box-shadow:4px 4px 4px 4px rgb(34, 91, 91)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 19.104, 196.941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 91, 91) }
```

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

```
.background{ background-color: rgb(34, 91,  
91) }
```

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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