

Converting Colors

CIELCh(34, 35.510, 146.871)

Have a look what the booklet for
CIELCh(34, 35.510, 146.871)
contains.

CIELCh(34, 35.432, 147.116)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(34, 35.432, 147.116)

Conversions

Conversions Part 1

Format	Color
Hex	205B30
RGB	32, 91, 48
RGB Percent	13%, 36%, 19%
CMY	0.8744, 0.6430, 0.8117
CMYK	0.65, 0.00, 0.47, 0.64
HSL	136°, 48%, 24%
HSV	136°, 65%, 36%
XYZ	4.8742, 8.0082, 4.0879
YIQ	68.4570, -21.3610, -25.8810

Conversions

Conversions Part 2

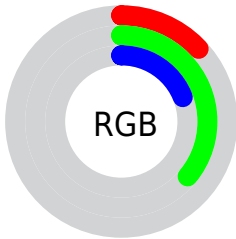
Format	Color
R_{YB}	32, 78, 91
Decimal	2120496
CIE _{Lab}	34.00, -29.75, 19.24
CIE _{LCh}	34, 35.432, 147.116
Yxy	8.0082, 0.2872, 0.4719
Android (android.graphics.Color)	4280310576 (0xFF205B30)
YUV	68.4570, -10.0853, -31.9728
Hunter-Lab	28.2988, -18.7780, 11.2444

Details

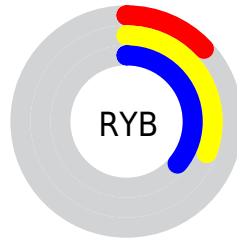
The CIELCh color $34, 35.432, 147.116$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $23, 35.229, 337.774$, and the grayscale version is $29, 0.005, 296.813$.

A 20% lighter version of the original color is $54, 35.490, 147.305$, and $14, 31.824, 141.606$ is the 20% darker color. If you saturate the color by 10%, you get $34, 39.966, 145.672$, and if you desaturate by 10%, it is $34, 30.482, 148.406$.

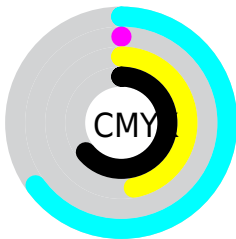
Distribution



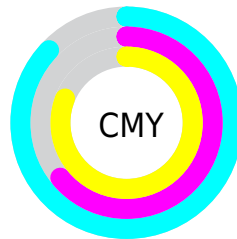
- Red (13%)
- Green (36%)
- Blue (19%)



- Red (13%)
- Yellow (31%)
- Blue (36%)



- Cyan (65%)
- Magenta (0%)
- Yellow (47%)
- Black (64%)





- Cyan (87%)
- Magenta (64%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 35.432, 147.116 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 34, 35.432, 147.116 by changing the saturation by 10% instead.


 34, 35.432,
147.116


 34, 35.432,
147.116

 100, 35.432,
147.116


 24, 35.432,
147.116

 54, 35.432,
147.116


 14, 35.432,
147.116


 64, 35.432,
147.116

 4, 35.432, 147.116

 74, 35.432,
147.116

 0, 35.432, 147.116

 84, 35.432,
147.116

 94, 35.432,
147.116

■ 34, 35.432,
147.116

■ 34, 35.432,
147.116

■ 34, 39.966,
145.672

■ 34, 30.482,
148.406

■ 33, 43.997,
144.087

■ 35, 25.209,
149.546

■ 33, 47.525,
142.479

■ 36, 19.712,
150.546

■ 33, 49.249,
141.787

■ 36, 14.079,
151.424

■ 37, 8.389, 152.198

■ 38, 2.709, 152.918

■ 39, 2.910, 333.378

■ 40, 8.431, 333.947

■ 41, 13.826,

Harmonies

Complementary

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



34, 35.432, 147.116



23, 35.229, 337.774

Rectangle

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



34, 35.432, 147.116



34, 35.432, 197.116



34, 35.432, 327.116



34, 35.432, 17.116

Sweetspot

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



34, 35.432, 147.116



47, 13.280, 151.840



36, 35.076, 117.165



23, 9.050, 151.697



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



34, 35.432, 147.116



43, 50.554, 144.801



35, 22.932, 174.263



18, 3.186, 152.625



40, 56.761, 141.289



82, 103.110, 139.990

Inverse Universe

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



23, 35.229, 337.774



28, 48.789, 339.288



22, 28.891, 10.116



17, 3.200, 333.646



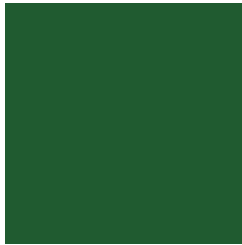
23, 50.954, 341.942



53, 88.793, 343.108

Previews

White Background



This preview shows how the CIELCh color 34, 35.432, 147.116 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 34, 35.432, 147.116 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 34, 35.432, 147.116

Background



This preview shows how black text looks on a background with the CIELCh color 34, 35.432, 147.116.



This preview shows how white text looks on a background with the CIELCh color 34, 35.432, 147.116.

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

34, 35.432, 147.116

Protanopia

34, 22.459, 96.109

Deuteranopia

34, 18.102, 74.608



Tritanopia
34, 14.632, 215.260

Trichromacy



Original Color
34, 35.432, 147.116

Protanomaly
33, 24.949, 123.760

Deuteranomaly
33, 18.908, 118.485

Tritanomaly
34, 19.170, 175.618

Monochromacy



Original Color
34, 35.432, 147.116

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 13.351, 151.801

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 35.432, 147.116 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(32, 91, 48)` looks like.

```
.text, #text, p{  
    color:rgb(32, 91, 48)  
}
```

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(32, 91, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 91, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 35.432, 147.116 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(32, 91, 48) }
```

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

```
.border{ border-color:rgb(32, 91, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 91, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 91, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 91, 48);  
box-shadow:4px 4px 4px 4px rgb(32, 91, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 35.432, 147.116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 91, 48) }
```

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

```
.background{ background-color: rgb(32, 91,  
48) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor