

Converting Colors

CIELCh(36, 21.510, 256.817)

Have a look what the booklet for
CIELCh(36, 21.510, 256.817)
contains.

CIELCh(36, 21.418, 256.333)	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(36, 21.418, 256.333)

Conversions

Conversions Part 1

Format	Color
Hex	305976
RGB	48, 89, 118
RGB Percent	19%, 35%, 46%
CMY	0.8132, 0.6523, 0.5386
CMYK	0.60, 0.25, 0.00, 0.54
HSL	205°, 42%, 32%
HSV	205°, 60%, 46%
XYZ	7.9950, 9.0082, 18.3470
YIQ	80.0470, -33.7450, 0.3270

Conversions

Conversions Part 2

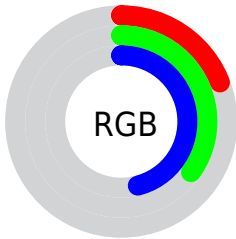
Format	Color
R_{YB}	48, 74, 118
Decimal	3168630
CIE _{Lab}	36.00, -5.06, -20.81
CIE _{LCh}	36, 21.418, 256.333
Yxy	9.0082, 0.2262, 0.2548
Android (android.graphics.Color)	4281358710 (0xFF305976)
YUV	80.0470, 18.7108, -28.1052
Hunter-Lab	30.0136, -4.9749, -15.2338




Details

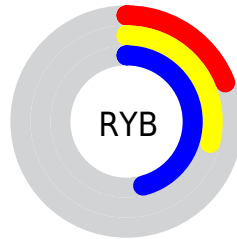
The CIELCh color **36, 21.418, 256.333** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **37, 27.922, 59.829**, and the grayscale version is **34, 0.005, 296.813**.




A 20% lighter version of the original color is **56, 21.282, 255.703**, and **17, 20.409, 262.001** is the 20% darker color. If you saturate the color by 10%, you get **34, 24.456, 259.543**, and if you desaturate by 10%, it is **38, 18.203, 253.626**.

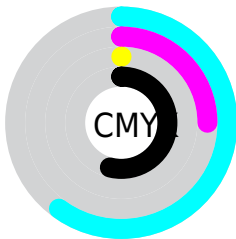
Distribution







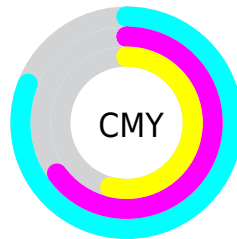
-  Red (19%)
-  Green (35%)
-  Blue (46%)






-  Red (19%)
-  Yellow (29%)
-  Blue (46%)



-  Cyan (60%)
-  Magenta (25%)
-  Yellow (0%)
-  Black (54%)





-  Cyan (81%)
-  Magenta (65%)
-  Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 21.418, 256.333 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 36, 21.418, 256.333 by changing the saturation by 10% instead.


 36, 21.418,
256.333


 36, 21.418,
256.333

 100, 21.418,
256.333


 26, 21.418,
256.333

 56, 21.418,
256.333


 16, 21.418,
256.333


 66, 21.418,
256.333

 6, 21.418, 256.333

 76, 21.418,
256.333

 0, 21.418, 256.333

 86, 21.418,
256.333

 96, 21.418,
256.333

■ 36, 21.418,
256.333

■ 36, 21.418,
256.333

■ 34, 24.456,
259.543

■ 38, 18.203,
253.626

■ 32, 27.345,
263.285

■ 40, 14.810,
251.368

■ 30, 30.140,
267.534

■ 43, 11.252,
249.493

■ 28, 32.983,
271.860

■ 45, 7.549, 247.944

■ 28, 33.127,
272.054

■ 47, 3.727, 246.683

■ 50, 0.188, 63.951

■ 52, 4.173, 64.532

■ 54, 8.209, 63.793

■ 57, 12.277, 63.146

Harmonies

Complementary

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



36, 21.418, 256.333



37, 27.922, 59.829

Rectangle

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



36, 21.418, 256.333



36, 21.418, 306.333



36, 21.418, 76.333



36, 21.418, 126.333

Sweetspot

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



36, 21.417, 256.333



58, 8.647, 247.797



44, 36.449, 152.665



29, 5.954, 248.128



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



36, 21.417, 256.333



44, 30.743, 260.711



26, 41.128, 295.143



23, 2.201, 246.630



29, 34.194, 272.284



60, 60.635, 275.234

Inverse Universe

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



31, 36.979, 344.870



37, 52.135, 346.842



46, 35.945, 99.778



23, 3.555, 339.901



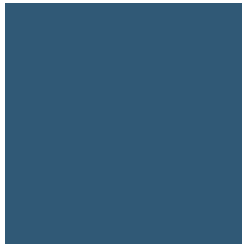
26, 50.774, 352.857



54, 85.293, 354.788

Previews

White Background



This preview shows how the CIELCh color 36, 21.418, 256.333 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 36, 21.418, 256.333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

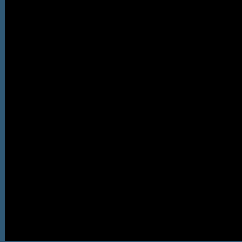
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

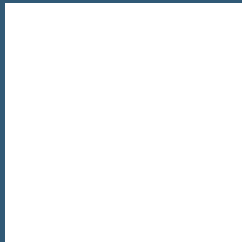
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 21.418, 256.333

Background



This preview shows how black text looks on a background with the CIELCh color 36, 21.418, 256.333.



This preview shows how white text looks on a background with the CIELCh color 36, 21.418, 256.333.

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

36, 21.418, 256.333

Protanopia

36, 19.352, 285.821

Deuteranopia

36, 22.550, 284.104



Tritanopia
36, 17.633, 211.741

Trichromacy



Original Color
36, 21.418, 256.333

Protanomaly
36, 19.471, 273.536

Deuteranomaly
36, 22.008, 274.160

Tritanomaly
36, 17.730, 229.734

Monochromacy



Original Color
36, 21.418, 256.333

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 8.854, 250.217

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 21.418, 256.333 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(48, 89, 118)` looks like.

```
.text, #text, p{  
    color:rgb(48, 89, 118)  
}
```

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(48, 89, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 89, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 21.418, 256.333 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(48, 89, 118) }
```

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

```
.border{ border-color:rgb(48, 89, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 89, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 89, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 89, 118);  
box-shadow:4px 4px 4px 4px rgb(48, 89,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 21.418, 256.333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 89, 118) }
```

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

```
.background{ background-color: rgb(48, 89,  
118) }
```

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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