

Converting Colors

CIELCh(36, 15.846, 234.374)

Have a look what the booklet for
CIELCh(36, 15.846, 234.374)
contains.

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Color

CIELCh(36, 15.844, 234.354)

Conversions

Conversions Part 1

Format	Color
Hex	335A69
RGB	51, 90, 105
RGB Percent	20%, 35%, 41%
CMY	0.8005, 0.6476, 0.5888
CMYK	0.51, 0.14, 0.00, 0.59
HSL	197°, 35%, 31%
HSV	197°, 51%, 41%
XYZ	7.5468, 9.0082, 14.6700
YIQ	80.0490, -28.0590, -3.6030

Conversions

Conversions Part 2

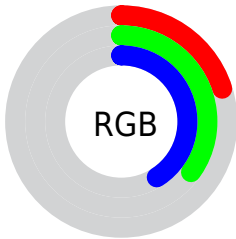
Format	Color
RYB	51, 74, 105
Decimal	3365481
CIELab	36.00, -9.23, -12.88
CIElCh	36, 15.844, 234.354
Yxy	9.0082, 0.2417, 0.2885
Android (android.graphics.Color)	4281555561 (0xFF335A69)
YUV	80.0490, 12.3008, -25.4760
Hunter-Lab	30.0136, -7.6405, -7.9701




Details

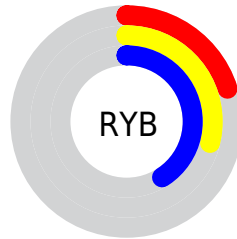
The CIELCh color **36, 15.844, 234.354** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **32, 22.048, 46.933**, and the grayscale version is **34, 0.005, 296.813**.




A 20% lighter version of the original color is **56, 15.862, 233.903**, and **16, 15.387, 237.553** is the 20% darker color. If you saturate the color by 10%, you get **35, 18.126, 236.415**, and if you desaturate by 10%, it is **38, 13.253, 232.705**.

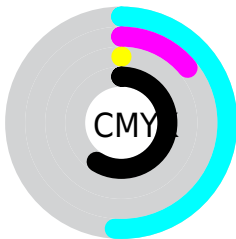
Distribution







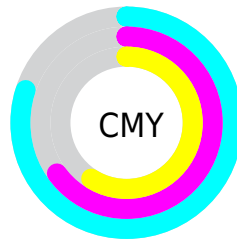
-  Red (20%)
-  Green (35%)
-  Blue (41%)






-  Red (20%)
-  Yellow (29%)
-  Blue (41%)



-  Cyan (51%)
-  Magenta (14%)
-  Yellow (0%)
-  Black (59%)





-  Cyan (80%)
-  Magenta (65%)
-  Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 15.844, 234.354 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, 15.844, 234.354 by changing the saturation by 10% instead.


 36, 15.844,
234.354


 36, 15.844,
234.354

 100, 15.844,
234.354


 26, 15.844,
234.354

 56, 15.844,
234.354


 16, 15.844,
234.354


 66, 15.844,
234.354

 6, 15.844, 234.354

 76, 15.844,
234.354

 0, 15.844, 234.354

 86, 15.844,
234.354

 96, 15.844,
234.354

■ 36, 15.844,
234.354

■ 36, 15.844,
234.354

■ 35, 18.126,
236.415

■ 38, 13.253,
232.705

■ 33, 20.083,
238.970

■ 39, 10.388,
231.400

■ 32, 21.717,
242.090

■ 41, 7.286, 230.378

■ 31, 23.067,
245.817

■ 42, 3.988, 229.600

■ 44, 0.530, 229.489

■ 30, 24.190,
249.016

■ 46, 3.053, 48.278

■ 48, 6.732, 47.949

■ 49, 10.481, 47.668

■ 51, 14.281, 47.449

Harmonies

Complementary

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



36, 15.844, 234.354



32, 22.048, 46.933

Rectangle

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



36, 15.844, 234.354



36, 15.844, 284.354



36, 15.844, 54.354



36, 15.844, 104.354

Sweetspot

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



36, 15.844, 234.352



53, 6.355, 229.875



40, 32.398, 148.533



27, 4.354, 229.995



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



36, 15.844, 234.352



44, 22.281, 236.930



28, 26.951, 286.523



21, 1.994, 229.447



33, 26.305, 249.689



68, 46.245, 252.797

Inverse Universe

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



30, 32.312, 337.025



35, 46.446, 338.089



39, 25.566, 92.368



21, 3.628, 333.926



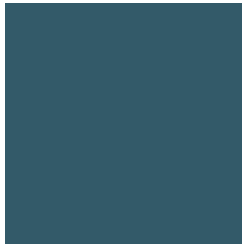
25, 53.159, 342.512



55, 90.515, 343.620

Previews

White Background



This preview shows how the CIELCh color 36, 15.844, 234.354 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, 15.844, 234.354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

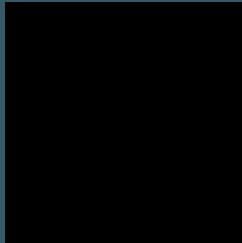
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

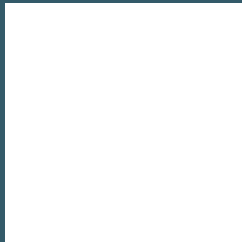
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 15.844, 234.354

Background



This preview shows how black text looks on a background with the CIELCh color 36, 15.844, 234.354.

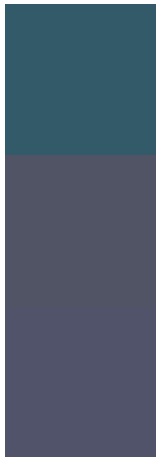


This preview shows how white text looks on a background with the CIELCh color 36, 15.844, 234.354.

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, 15.844, 234.354

Protanopia

36, 10.600, 285.550

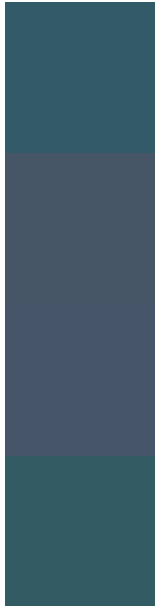
Deuteranopia

36, 14.305, 289.450



Tritanopia
36, 15.188, 214.415

Trichromacy



Original Color
36, 15.844, 234.354

Protanomaly
36, 11.421, 260.012

Deuteranomaly
36, 13.974, 269.055

Tritanomaly
36, 15.123, 219.609

Monochromacy



Original Color
36, 15.844, 234.354

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 6.675, 226.757

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 15.844, 234.354 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(51, 90, 105)` looks like.

```
.text, #text, p{  
    color:rgb(51, 90, 105)  
}
```

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(51, 90, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 90, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 15.844, 234.354 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(51, 90, 105) }
```

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

```
.border{ border-color:rgb(51, 90, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 90, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 90, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 90, 105);  
box-shadow:4px 4px 4px 4px rgb(51, 90,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 15.844, 234.354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 90, 105) }
```

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

```
.background{ background-color: rgb(51, 90,  
105) }
```

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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