

Converting Colors

CIELCh(36, 15.579, 232.171)

Have a look what the booklet for
CIELCh(36, 15.579, 232.171)
contains.

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Color

CIELCh(36, 15.582, 232.205)

Conversions

Conversions Part 1

Format	Color
Hex	335A68
RGB	51, 90, 104
RGB Percent	20%, 35%, 41%
CMY	0.8001, 0.6472, 0.5923
CMYK	0.51, 0.13, 0.00, 0.59
HSL	196°, 34%, 30%
HSV	196°, 51%, 41%
XYZ	7.5136, 9.0082, 14.4299
YIQ	79.9350, -27.7380, -3.9140

Conversions

Conversions Part 2

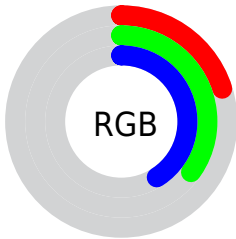
Format	Color
RYB	51, 73, 104
Decimal	3365480
CIELab	36.00, -9.55, -12.31
CIELCh	36, 15.582, 232.205
Yxy	9.0082, 0.2428, 0.2910
Android (android.graphics.Color)	4281555560 (0xFF335A68)
YUV	79.9350, 11.8640, -25.3760
Hunter-Lab	30.0136, -7.8380, -7.4959




Details

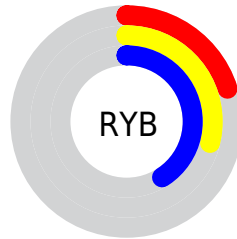
The CIELCh color **36, 15.582, 232.205** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **32, 21.752, 45.637**, and the grayscale version is **34, 0.005, 296.813**.




A 20% lighter version of the original color is **56, 15.602, 231.990**, and **16, 15.118, 234.896** is the 20% darker color. If you saturate the color by 10%, you get **35, 17.830, 234.132**, and if you desaturate by 10%, it is **37, 13.017, 230.672**.

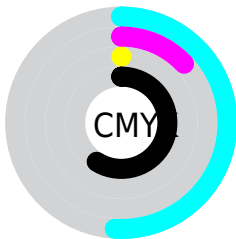
Distribution







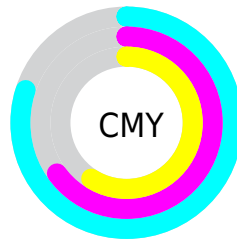
-  Red (20%)
-  Green (35%)
-  Blue (41%)






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



-  Cyan (51%)
-  Magenta (13%)
-  Yellow (0%)
-  Black (59%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 15.582, 232.205 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, 15.582, 232.205 by changing the saturation by 10% instead.


 36, 15.582,
232.205


 36, 15.582,
232.205

 100, 15.582,
232.205


 26, 15.582,
232.205

 56, 15.582,
232.205


 16, 15.582,
232.205


 66, 15.582,
232.205

 6, 15.582, 232.205

 76, 15.582,
232.205

 0, 15.582, 232.205

 86, 15.582,
232.205

 96, 15.582,
232.205

■ 36, 15.582,
232.205

■ 36, 15.582,
232.205

■ 35, 17.830,
234.132

■ 37, 13.017,
230.672

■ 33, 19.741,
236.535

■ 39, 10.170,
229.469

■ 32, 21.314,
239.488

■ 41, 7.083, 228.535

■ 31, 22.580,
243.044

■ 42, 3.795, 227.837

■ 44, 0.346, 228.117

■ 30, 23.672,
246.327

■ 46, 3.230, 46.643

■ 47, 6.903, 46.365

■ 49, 10.649, 46.133

■ 51, 14.445, 45.957

Harmonies

Complementary

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



36, 15.582, 232.205



32, 21.752, 45.637

Rectangle

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



36, 15.582, 232.205



36, 15.582, 282.205



36, 15.582, 52.205



36, 15.582, 102.205

Sweetspot

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



36, 15.582, 232.203



53, 6.369, 228.118



40, 32.278, 148.008



27, 4.363, 228.227



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, 15.582, 232.203



45, 21.942, 234.515



28, 25.896, 285.396



20, 1.919, 227.725



33, 25.469, 246.911



68, 45.010, 250.040

Inverse Universe

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



30, 32.080, 336.378



36, 46.255, 337.357



39, 24.796, 91.253



20, 3.516, 333.388



25, 52.825, 341.576



54, 90.645, 342.634

Previews

White Background



This preview shows how the CIELCh color 36, 15.582, 232.205 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, 15.582, 232.205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

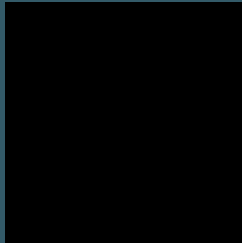
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 15.582, 232.205

Background



This preview shows how black text looks on a background with the CIELCh color 36, 15.582, 232.205.



This preview shows how white text looks on a background with the CIELCh color 36, 15.582, 232.205.

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, 15.582, 232.205

Protanopia

36, 9.985, 285.025

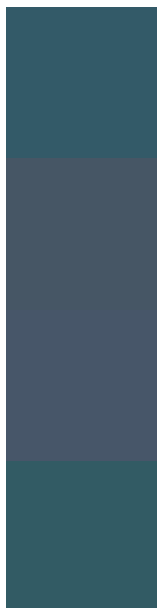
Deuteranopia

36, 14.297, 290.966



Tritanopia
36, 15.188, 214.415

Trichromacy



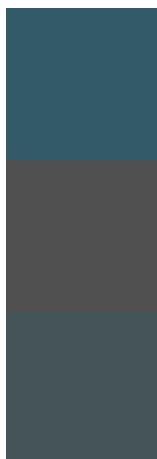
Original Color
36, 15.582, 232.205

Protanomaly
36, 10.917, 258.064

Deuteranomaly
36, 12.850, 266.389

Tritanomaly
36, 15.123, 219.609

Monochromacy



Original Color
36, 15.582, 232.205

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, 15.582, 232.205 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, 104)` looks like.

```
.text, #text, p{  
    color:rgb(51, 90, 104)  
}
```

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, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 90, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 15.582, 232.205 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, 104) }
```

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

```
.border{ border-color:rgb(51, 90, 104) }
```

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, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 90, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 90, 104);  
box-shadow:4px 4px 4px 4px rgb(51, 90,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 15.582, 232.205 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, 104) }
```

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

```
.background{ background-color: rgb(51, 90,  
104) }
```

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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