

Converting Colors

CIELCh(36, 13.394, 227.610)

Have a look what the booklet for
CIELCh(36, 13.394, 227.610)
contains.

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Color

CIELCh(36, 13.450, 225.733)

Conversions

Conversions Part 1

Format	Color
Hex	385A64
RGB	56, 90, 100
RGB Percent	22%, 35%, 39%
CMY	0.7816, 0.6482, 0.6090
CMYK	0.44, 0.10, 0.00, 0.61
HSL	194°, 28%, 30%
HSV	194°, 44%, 39%
XYZ	7.5305, 9.0082, 13.3212
YIQ	80.9740, -23.4740, -4.0980

Conversions

Conversions Part 2

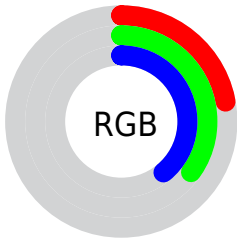
Format	Color
R_{YB}	56, 75, 100
Decimal	3693156
CIE _{Lab}	36.00, -9.39, -9.63
CIE _{LCh}	36, 13.450, 225.733
Yxy	9.0082, 0.2522, 0.3017
Android (android.graphics.Color)	4281883236 (0xFF385A64)
YUV	80.9740, 9.3798, -21.9022
Hunter-Lab	30.0136, -7.7373, -5.3056

Details

The CIELCh color **36, 13.450, 225.733** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **31, 18.031, 42.048**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 13.613, 226.111**, and **16, 13.299, 225.928** is the 20% darker color. If you saturate the color by 10%, you get **35, 15.794, 227.078**, and if you desaturate by 10%, it is **37, 10.797, 224.690**.

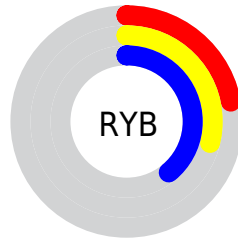
Distribution



Red (22%)

Green (35%)

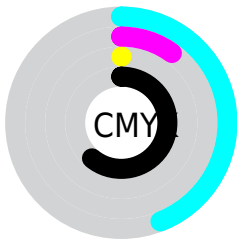
Blue (39%)



Red (22%)

Yellow (29%)

Blue (39%)

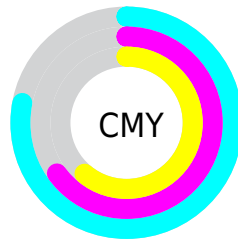


Cyan (44%)

Magenta (10%)

Yellow (0%)

Black (61%)



Cyan (78%)


Magenta (65%)


Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 13.450, 225.733 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, 13.450, 225.733 by changing the saturation by 10% instead.


 36, 13.450,
225.733


 36, 13.450,
225.733

 100, 13.450,
225.733


 26, 13.450,
225.733

 56, 13.450,
225.733


 16, 13.450,
225.733


 66, 13.450,
225.733

 6, 13.450, 225.733

 76, 13.450,
225.733

 0, 13.450, 225.733

 86, 13.450,
225.733

 96, 13.450,
225.733

■ 36, 13.450,
225.733

■ 36, 13.450,
225.733

■ 35, 15.794,
227.078

■ 37, 10.797,
224.690

■ 34, 17.795,
228.799

■ 39, 7.879, 223.901

■ 40, 4.738, 223.326

■ 32, 19.431,
230.967

■ 42, 1.417, 223.041

■ 31, 20.702,
233.654

■ 43, 2.048, 42.336

■ 45, 5.624, 42.215

■ 31, 21.673,
236.840

■ 46, 9.283, 42.093

■ 30, 22.248,
238.664

■ 48, 13.002, 42.019

■ 50, 16.762, 41.988

Harmonies

Complementary

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



36, 13.450, 225.733



31, 18.031, 42.048

Rectangle

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



36, 13.450, 225.733



36, 13.450, 275.733



36, 13.450, 45.733



36, 13.450, 95.733

Sweetspot

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



36, 13.450, 225.730



52, 5.434, 223.292



38, 27.891, 147.647



26, 3.817, 223.371



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



36, 13.450, 225.730



45, 19.201, 227.146



29, 20.548, 281.717



20, 1.942, 223.116



35, 24.635, 239.425



71, 43.181, 242.261

Inverse Universe

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



30, 27.788, 334.302



37, 40.814, 335.050



38, 20.170, 89.679



20, 3.610, 331.993



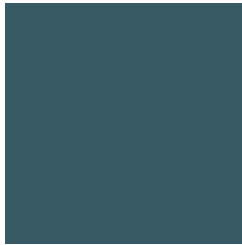
25, 54.177, 339.259



55, 93.058, 340.106

Previews

White Background



This preview shows how the CIELCh color 36, 13.450, 225.733 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, 13.450, 225.733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

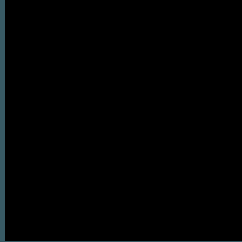
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 13.450, 225.733

Background



This preview shows how black text looks on a background with the CIELCh color 36, 13.450, 225.733.



This preview shows how white text looks on a background with the CIELCh color 36, 13.450, 225.733.

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, 13.450, 225.733

Protanopia

36, 7.485, 285.243

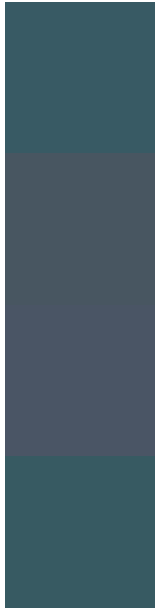
Deuteranopia

36, 11.880, 295.914



Tritanopia
36, 13.264, 217.178

Trichromacy



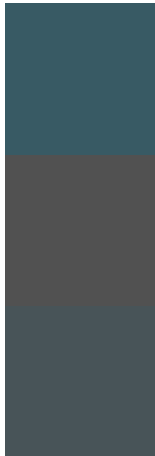
Original Color
36, 13.450, 225.733

Protanomaly
36, 8.589, 252.019

Deuteranomaly
36, 10.670, 268.557

Tritanomaly
36, 13.387, 219.882

Monochromacy



Original Color
36, 13.450, 225.733

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 5.410, 226.453

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 13.450, 225.733 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(56, 90, 100)` looks like.

```
.text, #text, p{  
    color:rgb(56, 90, 100)  
}
```

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(56, 90, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 90, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 13.450, 225.733 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(56, 90, 100) }
```

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

```
.border{ border-color:rgb(56, 90, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 90, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 90, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 90, 100);  
box-shadow:4px 4px 4px 4px rgb(56, 90,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 13.450, 225.733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 90, 100) }
```

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

```
.background{ background-color: rgb(56, 90,  
100) }
```

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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