

Converting Colors

CIELCh(36, 18.517, 269.898)

Have a look what the booklet for
CIELCh(36, 18.517, 269.898)
contains.

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Color

CIELCh(36, 18.517, 269.898)

Conversions

Conversions Part 1

Format	Color
Hex	415672
RGB	65, 86, 114
RGB Percent	25%, 34%, 45%
CMY	0.7448, 0.6625, 0.5527
CMYK	0.43, 0.25, 0.00, 0.55
HSL	214°, 27%, 35%
HSV	214°, 43%, 45%
XYZ	8.5582, 9.0082, 17.2273
YIQ	82.9130, -21.5040, 4.2560

Conversions

Conversions Part 2

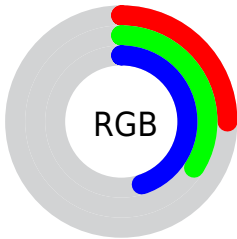
Format	Color
R_{YB}	65, 80, 114
Decimal	4281970
CIE _{Lab}	36.00, -0.03, -18.52
CIE _{LCh}	36, 18.517, 269.898
Yxy	9.0082, 0.2460, 0.2589
Android (android.graphics.Color)	4282472050 (0xFF415672)
YUV	82.9130, 15.3259, -15.7097
Hunter-Lab	30.0136, -1.6255, -13.0219

Details

The CIELCh color **36, 18.517, 269.898** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **41, 19.763, 77.358**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 18.355, 269.149**, and **16, 18.634, 270.291** is the 20% darker color. If you saturate the color by 10%, you get **33, 22.829, 272.354**, and if you desaturate by 10%, it is **39, 14.205, 267.791**.

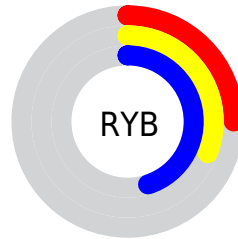
Distribution



Red (25%)

Green (34%)

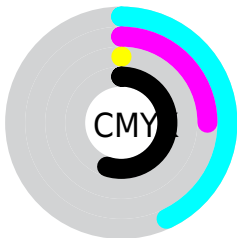
Blue (45%)



Red (25%)

Yellow (31%)

Blue (45%)

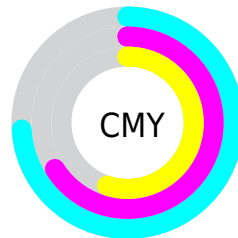


Cyan (43%)

Magenta (25%)

Yellow (0%)

Black (55%)



Cyan (74%)


Magenta (66%)


Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 18.517, 269.898 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, 18.517, 269.898 by changing the saturation by 10% instead.


 36, 18.517,
269.898


 36, 18.517,
269.898


 100, 18.517,
269.898


 26, 18.517,
269.898


 56, 18.517,
269.898


 16, 18.517,
269.898


 66, 18.517,
269.898

 6, 18.517, 269.898

 76, 18.517,
269.898

 0, 18.517, 269.898

 86, 18.517,
269.898

 96, 18.517,
269.898

■ 36, 18.517,
269.898

■ 36, 18.517,
269.898

■ 33, 22.829,
272.354

■ 39, 14.205,
267.791

■ 31, 27.154,
275.195

■ 42, 9.891, 265.992

■ 44, 5.579, 264.462

■ 28, 31.516,
278.431

■ 47, 1.275, 263.258

■ 26, 35.950,
282.029

■ 50, 3.013, 81.881

■ 53, 7.277, 80.925

■ 23, 40.489,
285.882

■ 56, 11.511, 80.065

■ 22, 43.791,
288.390

■ 59, 15.710, 79.305

■ 61, 19.867, 78.629

Harmonies

Complementary

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



36, 18.517, 269.898



41, 19.763, 77.358

Rectangle

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



36, 18.517, 269.898



36, 18.517, 319.898



36, 18.517, 89.898



36, 18.517, 139.898

Sweetspot

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



36, 18.516, 269.897



57, 6.926, 264.515



44, 22.940, 163.233



28, 4.816, 264.768



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



36, 18.516, 269.897



43, 27.734, 272.455



30, 31.412, 297.630



22, 2.389, 263.926



23, 45.618, 288.632



48, 82.636, 291.105

Inverse Universe

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



34, 24.500, 352.153



41, 36.441, 353.727



47, 28.281, 109.304



22, 3.081, 348.389



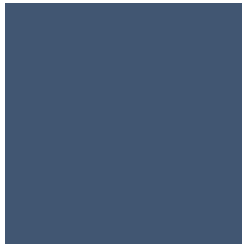
24, 48.305, 6.853



53, 82.656, 9.908

Previews

White Background



This preview shows how the CIELCh color 36, 18.517, 269.898 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, 18.517, 269.898 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

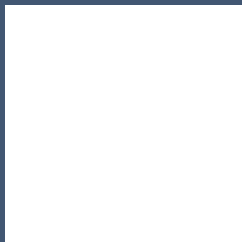
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 18.517, 269.898

Background



This preview shows how black text looks on a background with the CIELCh color 36, 18.517, 269.898.

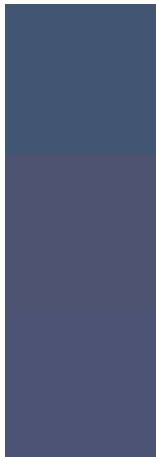


This preview shows how white text looks on a background with the CIELCh color 36, 18.517, 269.898.

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, 18.517, 269.898

Protanopia

36, 18.095, 286.154

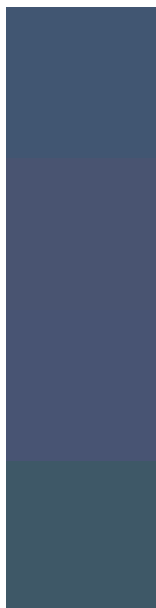
Deuteranopia

36, 19.963, 286.182



Tritanopia
36, 11.503, 220.505

Trichromacy



Original Color
36, 18.517, 269.898

Protanomaly
36, 18.300, 280.671

Deuteranomaly
36, 19.556, 280.788

Tritanomaly
36, 12.953, 244.890

Monochromacy



Original Color
36, 18.517, 269.898

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 6.919, 263.753

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 18.517, 269.898 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(65, 86, 114)` looks like.

```
.text, #text, p{  
    color:rgb(65, 86, 114)  
}
```

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(65, 86, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 86, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 18.517, 269.898 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(65, 86, 114) }
```

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

```
.border{ border-color:rgb(65, 86, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 86, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 86, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 86, 114);  
box-shadow:4px 4px 4px 4px rgb(65, 86,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 18.517, 269.898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 86, 114) }
```

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

```
.background{ background-color: rgb(65, 86,  
114) }
```

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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