

Converting Colors

CIELCh(36, 17.979, 245.792)

Have a look what the booklet for
CIELCh(36, 17.979, 245.792)
contains.

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Color

CIELCh(36, 18.178, 247.540)

Conversions

Conversions Part 1

Format	Color
Hex	32596F
RGB	50, 89, 111
RGB Percent	20%, 35%, 44%
CMY	0.8032, 0.6503, 0.5640
CMYK	0.55, 0.20, 0.00, 0.56
HSL	202°, 38%, 32%
HSV	202°, 55%, 44%
XYZ	7.7905, 9.0082, 16.4195
YIQ	79.8470, -30.3060, -1.4260

Conversions

Conversions Part 2

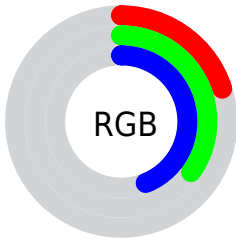
Format	Color
RYB	50, 74, 111
Decimal	3299695
CIELab	36.00, -6.94, -16.80
CIElCh	36, 18.178, 247.540
Yxy	9.0082, 0.2345, 0.2712
Android (android.graphics.Color)	4281489775 (0xFF32596F)
YUV	79.8470, 15.3584, -26.1758
Hunter-Lab	30.0136, -6.1911, -11.4262

Details

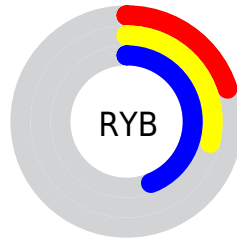
The CIELCh color **36, 18.178, 247.540** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **35, 24.361, 54.950**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 18.268, 247.769**, and **16, 17.133, 249.392** is the 20% darker color. If you saturate the color by 10%, you get **34, 20.828, 250.308**, and if you desaturate by 10%, it is **38, 15.290, 245.254**.

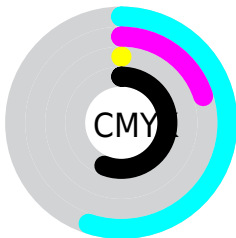
Distribution



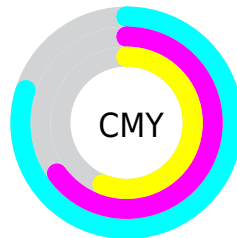
- Red (20%)
- Green (35%)
- Blue (44%)



- Red (20%)
- Yellow (29%)
- Blue (44%)



- Cyan (55%)
- Magenta (20%)
- Yellow (0%)
- Black (56%)





- Cyan (80%)
- Magenta (65%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 18.178, 247.540 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, 18.178, 247.540 by changing the saturation by 10% instead.


 36, 18.178,
247.540


 36, 18.178,
247.540

 100, 18.178,
247.540


 26, 18.178,
247.540

 56, 18.178,
247.540


 16, 18.178,
247.540


 66, 18.178,
247.540

 6, 18.178, 247.540

 76, 18.178,
247.540

 0, 18.178, 247.540

 86, 18.178,
247.540

 96, 18.178,
247.540

■ 36, 18.178,
247.540

■ 36, 18.178,
247.540

■ 34, 20.828,
250.308

■ 38, 15.290,
245.254

■ 32, 23.246,
253.621

■ 40, 12.181,
243.382

■ 31, 25.464,
257.510

■ 42, 8.875, 241.854

■ 29, 27.565,
261.864

■ 44, 5.403, 240.619

■ 46, 1.797, 239.701

■ 29, 28.690,
263.977

■ 48, 1.916, 58.520

■ 50, 5.710, 57.923

■ 52, 9.562, 57.359

■ 54, 13.455, 56.879

Harmonies

Complementary

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



36, 18.178, 247.540



35, 24.361, 54.950

Rectangle

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



36, 18.178, 247.540



36, 18.178, 297.540



36, 18.178, 67.540



36, 18.178, 117.540

Sweetspot

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



36, 18.177, 247.539



56, 7.227, 240.795



42, 33.728, 151.248



29, 4.904, 240.976



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, 18.177, 247.539



44, 26.148, 251.218



27, 33.731, 291.778



22, 2.080, 240.026



31, 30.427, 264.439



63, 53.965, 267.585

Inverse Universe

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



30, 33.994, 341.380



37, 49.020, 342.890



43, 30.552, 97.377



22, 3.556, 337.429



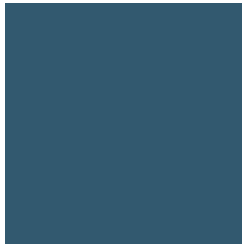
25, 51.337, 348.536



54, 86.748, 350.145

Previews

White Background



This preview shows how the CIELCh color 36, 18.178, 247.540 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, 18.178, 247.540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

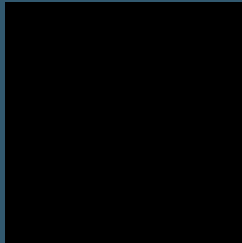
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 18.178, 247.540

Background



This preview shows how black text looks on a background with the CIELCh color 36, 18.178, 247.540.

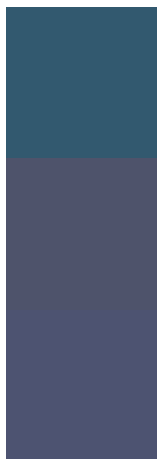


This preview shows how white text looks on a background with the CIELCh color 36, 18.178, 247.540.

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, 18.178, 247.540

Protanopia

36, 14.997, 285.424

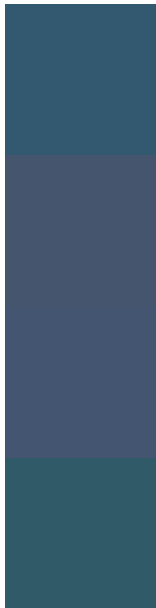
Deuteranopia

36, 18.707, 286.512



Tritanopia
36, 16.025, 215.804

Trichromacy



Original Color
36, 18.178, 247.540

Protanomaly
36, 15.883, 270.000

Deuteranomaly
36, 17.674, 271.899

Tritanomaly
36, 16.029, 228.394

Monochromacy



Original Color
36, 18.178, 247.540

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 7.342, 242.055

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 18.178, 247.540 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(50, 89, 111)` looks like.

```
.text, #text, p{  
    color:rgb(50, 89, 111)  
}
```

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(50, 89, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 89, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 18.178, 247.540 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(50, 89, 111) }
```

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

```
.border{ border-color:rgb(50, 89, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 89, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 89, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 89, 111);  
box-shadow:4px 4px 4px 4px rgb(50, 89,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 18.178, 247.540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 89, 111) }
```

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

```
.background{ background-color: rgb(50, 89,  
111) }
```

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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