

Converting Colors

CIELCh(36, 58.066, 21.242)

Have a look what the booklet for
CIELCh(36, 58.066, 21.242) contains.

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Color

CIELCh(36, 58.100, 21.486)

Conversions

Conversions Part 1

Format	Color
Hex	A41D36
RGB	164, 29, 54
RGB Percent	64%, 11%, 21%
CMY	0.3575, 0.8870, 0.7887
CMYK	0.00, 0.82, 0.67, 0.36
HSL	349°, 70%, 38%
HSV	349°, 82%, 64%
XYZ	16.3720, 9.0082, 4.3507
YIQ	72.2150, 72.4350, 36.3950

Conversions

Conversions Part 2

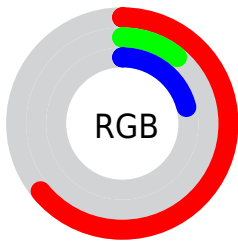
Format	Color
RYB	164, 29, 54
Decimal	10755382
CIELab	36.00, 54.06, 21.28
CIELCh	36, 58.100, 21.486
Yxy	9.0082, 0.5507, 0.3030
Android (android.graphics.Color)	4288945462 (0xFFA41D36)
YUV	72.2150, -8.9800, 80.4954
Hunter-Lab	30.0136, 44.8455, 12.4150

Details

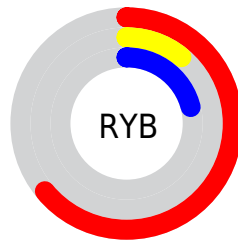
The CIELCh color **36, 58.100, 21.486** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **60, 40.396, 175.358**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 58.329, 21.587**, and **20, 49.541, 32.062** is the 20% darker color. If you saturate the color by 10%, you get **35, 63.346, 26.278**, and if you desaturate by 10%, it is **38, 52.015, 17.458**.

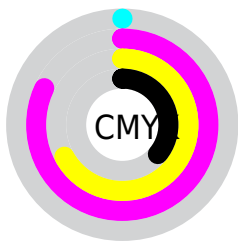
Distribution



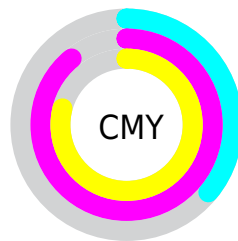
- Red (64%)
- Green (11%)
- Blue (21%)



- Red (64%)
- Yellow (11%)
- Blue (21%)



- Cyan (0%)
- Magenta (82%)
- Yellow (67%)
- Black (36%)



- Cyan (36%)
- Magenta (89%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 58.100, 21.486 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, 58.100, 21.486 by changing the saturation by 10% instead.

 36, 58.100, 21.486

 36, 58.100, 21.486

 100, 58.100,
21.486

 26, 58.100, 21.486

 56, 58.100, 21.486

 16, 58.100, 21.486

 66, 58.100, 21.486

 6, 58.100, 21.486

 76, 58.100, 21.486

 0, 58.100, 21.486

 86, 58.100, 21.486

 96, 58.100, 21.486

 36, 58.100, 21.486

 36, 58.100, 21.486

 35, 63.346, 26.278

 38, 52.015, 17.458

34, 67.048, 29.976

41, 45.188, 14.212

44, 37.849, 11.639

48, 30.280, 9.593

52, 22.726, 7.946

57, 15.362, 6.594

61, 8.294, 5.452

66, 1.574, 4.277

71, 4.785, 183.837

Harmonies

Complementary

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



36, 58.100, 21.486



60, 40.396, 175.358

Rectangle

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



36, 58.100, 21.486



36, 58.100, 71.486



36, 58.100, 201.486



36, 58.100, 251.486

Sweetspot

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



36, 58.097, 21.488



71, 21.465, 6.981



36, 78.342, 321.318



36, 14.731, 7.427



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



36, 58.097, 21.488



45, 82.102, 30.595



42, 55.765, 48.647



32, 3.735, 5.118



30, 61.093, 29.379



1, 5.642, 5.702

Inverse Universe

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



36, 58.097, 21.488



45, 82.102, 30.595



48, 31.498, 247.688



32, 3.735, 5.118



30, 61.093, 29.379



1, 5.642, 5.702

Previews

White Background



This preview shows how the CIELCh color 36, 58.100, 21.486 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, 58.100, 21.486 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, 58.100, 21.486

Background



This preview shows how black text looks on a background with the CIELCh color 36, 58.100, 21.486.



This preview shows how white text looks on a background with the CIELCh color 36, 58.100, 21.486.

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, 58.100, 21.486

Protanopia

37, 6.410, 92.983

Deuteranopia

36, 24.524, 78.728



Tritanopia
36, 61.602, 32.889

Trichromacy



Original Color
36, 58.100, 21.486

Protanomaly
34, 24.265, 19.422

Deuteranomaly
34, 32.956, 38.087

Tritanomaly
36, 60.114, 28.981

Monochromacy



Original Color
36, 58.100, 21.486

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 23.209, 10.172

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 58.100, 21.486 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(164, 29, 54)` looks like.

```
.text, #text, p{  
    color:rgb(164, 29, 54)  
}
```

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(164, 29, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 29, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 58.100, 21.486 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(164, 29, 54) }
```

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

```
.border{ border-color:rgb(164, 29, 54) }
```

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

Here you see how a box with a 4 pixel rgb(164, 29, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 29, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 29, 54);  
box-shadow:4px 4px 4px 4px rgb(164, 29,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 58.100, 21.486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 29, 54) }
```

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

```
.background{ background-color: rgb(164, 29,  
54) }
```

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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