

Converting Colors

CIELCh(36, 51.815, 125.820)

Have a look what the booklet for
CIELCh(36, 51.815, 125.820)
contains.

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Color

CIELCh(36, 52.038, 126.076)

Conversions

Conversions Part 1

Format	Color
Hex	336001
RGB	51, 96, 1
RGB Percent	20%, 38%, 0%
CMY	0.8012, 0.6247, 0.9974
CMYK	0.47, 0.00, 0.99, 0.62
HSL	88°, 99%, 19%
HSV	88°, 99%, 38%
XYZ	5.5085, 9.0082, 1.4675
YIQ	71.7150, 3.6750, -39.0850

Conversions

Conversions Part 2

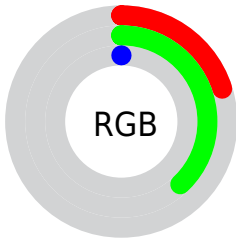
Format	Color
R _Y B	1, 96, 46
Decimal	3366913
CIE Lab	36.00, -30.64, 42.06
CIE LCh	36, 52.038, 126.076
Yxy	9.0082, 0.3446, 0.5636
Android (android.graphics.Color)	4281556993 (0xFF336001)
YUV	71.7150, -34.8625, -18.1671
Hunter-Lab	30.0136, -19.7628, 18.1105

Details

The CIELCh color **36, 52.038, 126.076** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **12, 60.456, 312.014**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 51.847, 126.049**, and **16, 35.584, 139.332** is the 20% darker color. If you saturate the color by 10%, you get **36, 52.276, 126.089**, and if you desaturate by 10%, it is **36, 48.790, 125.722**.

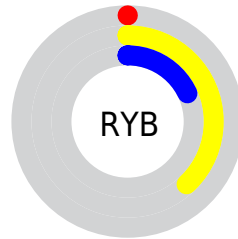
Distribution



Red (20%)

Green (38%)

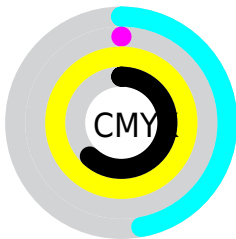
Blue (0%)



Red (0%)

Yellow (38%)

Blue (18%)

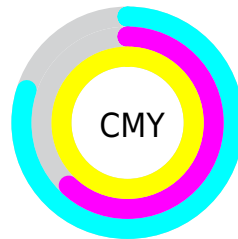


Cyan (47%)

Magenta (0%)

Yellow (99%)

Black (62%)



Cyan (80%)


Magenta (62%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 52.038, 126.076 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, 52.038, 126.076 by changing the saturation by 10% instead.


 36, 52.038,
126.076


 36, 52.038,
126.076

 100, 52.038,
126.076


 26, 52.038,
126.076

 56, 52.038,
126.076


 16, 52.038,
126.076


 66, 52.038,
126.076

 6, 52.038, 126.076

 76, 52.038,
126.076

 0, 52.038, 126.076

 86, 52.038,
126.076

 96, 52.038,
126.076

■ 36, 52.038,
126.076

■ 36, 52.038,
126.076

■ 36, 52.276,
126.089

■ 36, 48.790,
125.722

■ 37, 45.134,
125.404

■ 37, 40.612,
125.407

■ 37, 35.457,
125.629

■ 38, 29.870,
125.983

■ 38, 24.007,
126.409

■ 39, 17.978,
126.863

■ 39, 11.861,

127.320

■ 40, 5.710, 127.767

Harmonies

Complementary

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



36, 52.038, 126.076



12, 60.456, 312.014

Rectangle

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



36, 52.038, 126.076



36, 52.038, 176.076



36, 52.038, 306.076



36, 52.038, 356.076

Sweetspot

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



36, 52.038, 126.077



50, 22.912, 126.788



25, 40.263, 59.782



25, 15.737, 126.655



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



36, 52.038, 126.077



47, 63.441, 126.595



35, 57.990, 135.780



20, 3.478, 127.785



42, 58.640, 126.405



85, 103.475, 127.419

Inverse Universe

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



12, 60.456, 312.014



18, 73.710, 311.692



21, 56.289, 326.994



18, 3.524, 308.511



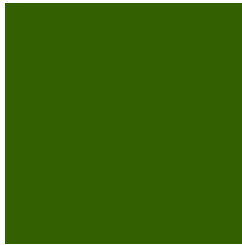
15, 68.164, 311.822



38, 119.969, 311.132

Previews

White Background



This preview shows how the CIELCh color 36, 52.038, 126.076 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 CIELCh color 36, 52.038, 126.076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

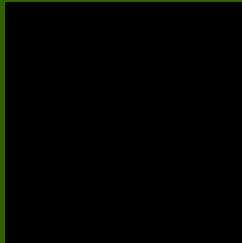
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 52.038, 126.076

Background



This preview shows how black text looks on a background with the CIELCh color 36, 52.038, 126.076.



This preview shows how white text looks on a background with the CIELCh color 36, 52.038, 126.076.

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, 52.038, 126.076

Protanopia

36, 43.888, 96.093

Deuteranopia

36, 37.943, 83.190



Tritanopia
36, 10.590, 222.651

Trichromacy



Original Color
36, 52.038, 126.076

Protanomaly
36, 45.315, 109.225

Deuteranomaly
35, 40.212, 103.437

Tritanomaly
35, 23.159, 143.801

Monochromacy



Original Color
36, 52.038, 126.076

Achromatopsia
30, 0.005, 296.813

Achromatomaly
32, 22.893, 125.652

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 52.038, 126.076 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, 96, 1)` looks like.

```
.text, #text, p{  
    color:rgb(51, 96, 1)  
}
```

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, 96, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 96, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 52.038, 126.076 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, 96, 1) }
```

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

```
.border{ border-color:rgb(51, 96, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 96, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 96, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(51, 96, 1); box-shadow:4px  
4px 4px 4px rgb(51, 96, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 52.038, 126.076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 96, 1) }
```

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

```
.background{ background-color: rgb(51, 96,  
1) }
```

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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