

Converting Colors

CIELCh(36, 20.454, 292.304)

Have a look what the booklet for
CIELCh(36, 20.454, 292.304)
contains.

CIELCh(36, 20.511, 292.450)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(36, 20.511, 292.450)

Conversions

Conversions Part 1

Format	Color
Hex	515273
RGB	81, 82, 115
RGB Percent	32%, 32%, 45%
CMY	0.6826, 0.6787, 0.5493
CMYK	0.30, 0.29, 0.00, 0.55
HSL	238°, 17%, 38%
HSV	238°, 30%, 45%
XYZ	9.4913, 9.0082, 17.4381
YIQ	85.4630, -11.1890, 10.0510

Conversions

Conversions Part 2

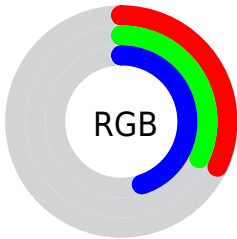
Format	Color
R_{YB}	81, 82, 115
Decimal	5329523
CIE _{Lab}	36.00, 7.83, -18.96
CIE _{LCh}	36, 20.511, 292.450
Yxy	9.0082, 0.2641, 0.2507
Android (android.graphics.Color)	4283519603 (0xFF515273)
YUV	85.4630, 14.5617, -3.9141
Hunter-Lab	30.0136, 3.9241, -13.4384

Details

The CIELCh color **36, 20.511, 292.450** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **47, 19.247, 106.192**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 20.647, 292.595**, and **16, 21.021, 293.544** is the 20% darker color. If you saturate the color by 10%, you get **32, 27.996, 294.022**, and if you desaturate by 10%, it is **40, 13.316, 291.098**.

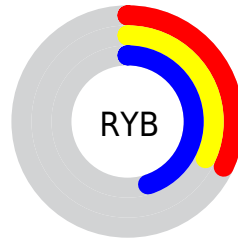
Distribution



Red (32%)

Green (32%)

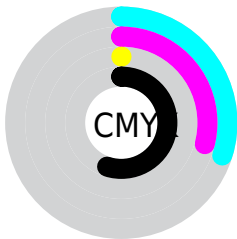
Blue (45%)



Red (32%)

Yellow (32%)

Blue (45%)

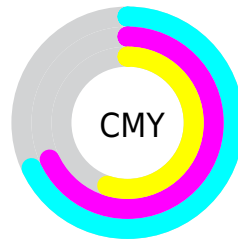


Cyan (30%)

Magenta (29%)

Yellow (0%)

Black (55%)



Cyan (68%)


Magenta (68%)


Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 20.511, 292.450 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, 20.511, 292.450 by changing the saturation by 10% instead.


 36, 20.511,
292.450


 36, 20.511,
292.450


 100, 20.511,
292.450


 26, 20.511,
292.450

 56, 20.511,
292.450


 16, 20.511,
292.450


 66, 20.511,
292.450

 6, 20.511, 292.450

 76, 20.511,
292.450

 0, 20.511, 292.450

 86, 20.511,
292.450

 96, 20.511,
292.450

■ 36, 20.511,
292.450

■ 36, 20.511,
292.450

■ 32, 27.996,
294.022

■ 40, 13.316,
291.098

■ 28, 35.779,
295.828

■ 44, 6.396, 289.943

■ 49, 0.270, 108.756

■ 24, 43.819,
297.855

■ 53, 6.700, 108.085

■ 20, 51.975,
300.035

■ 57, 12.911,
107.358

■ 16, 59.880,
302.215

■ 61, 18.917,
106.727

■ 14, 66.819,
304.145


■ 65, 24.732,
106.179

■ 11, 72.405,
305.604

■ 69, 30.367,
105.702

■ 11, 72.652,

305.666

 73, 35.834,
105.284

Harmonies

Complementary

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



36, 20.511, 292.450



47, 19.247, 106.192

Rectangle

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



36, 20.511, 292.450



36, 20.511, 342.450



36, 20.511, 112.450



36, 20.511, 162.450

Sweetspot

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



36, 20.510, 292.450



58, 7.489, 289.907



46, 12.771, 194.945



29, 5.255, 290.034



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



36, 20.510, 292.450



44, 30.644, 293.420



37, 21.967, 309.315



22, 3.818, 289.888



13, 76.116, 305.709



32, 130.620, 306.044

Inverse Universe

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



38, 15.275, 19.427



47, 23.009, 20.226



46, 21.061, 126.564



23, 2.751, 17.474



24, 58.220, 36.826



52, 101.833, 39.177

Previews

White Background



This preview shows how the CIE LCh color 36, 20.511, 292.450 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, 20.511, 292.450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

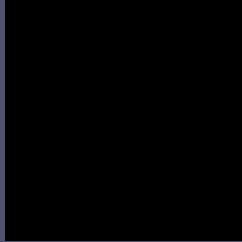
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 20.511, 292.450

Background



This preview shows how black text looks on a background with the CIELCh color 36, 20.511, 292.450.



This preview shows how white text looks on a background with the CIELCh color 36, 20.511, 292.450.

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, 20.511, 292.450

Protanopia

36, 20.608, 285.578

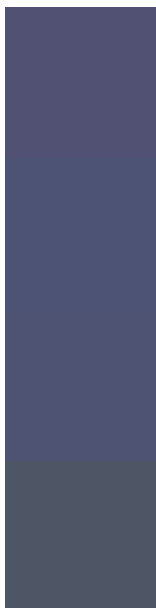
Deuteranopia

36, 19.963, 286.182



Tritanopia
36, 5.833, 247.439

Trichromacy



Original Color
36, 20.511, 292.450

Protanomaly
36, 20.543, 287.487

Deuteranomaly
36, 19.905, 288.181

Tritanomaly
36, 10.222, 276.396

Monochromacy



Original Color
36, 20.511, 292.450

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 7.456, 291.402

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 20.511, 292.450 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(81, 82, 115)` looks like.

```
.text, #text, p{  
    color:rgb(81, 82, 115)  
}
```

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(81, 82, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 82, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 20.511, 292.450 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(81, 82, 115) }
```

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

```
.border{ border-color:rgb(81, 82, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 82, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 82, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 82, 115);  
box-shadow:4px 4px 4px 4px rgb(81, 82,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 20.511, 292.450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 82, 115) }
```

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

```
.background{ background-color: rgb(81, 82,  
115) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor