

Converting Colors

CIELCh(36, 21.051, 243.302)

Have a look what the booklet for
CIELCh(36, 21.051, 243.302)
contains.

CIELCh(36, 21.051, 243.581)	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, 21.051, 243.581)

Conversions

Conversions Part 1

Format	Color
Hex	265A72
RGB	38, 90, 114
RGB Percent	15%, 35%, 45%
CMY	0.8529, 0.6455, 0.5513
CMYK	0.67, 0.21, 0.00, 0.55
HSL	199°, 51%, 30%
HSV	199°, 67%, 45%
XYZ	7.5329, 9.0082, 17.3881
YIQ	77.1880, -38.6960, -3.5600

Conversions

Conversions Part 2

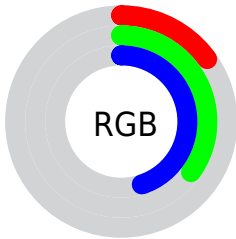
Format	Color
R_{YB}	38, 69, 114
Decimal	2513522
CIE Lab	36.00, -9.37, -18.85
CIE LCh	36, 21.051, 243.581
Yxy	9.0082, 0.2220, 0.2655
Android (android.graphics.Color)	4280703602 (0xFF265A72)
YUV	77.1880, 18.1483, -34.3679
Hunter-Lab	30.0136, -7.7236, -13.3396




Details

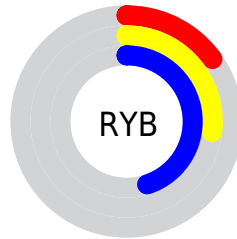
The CIELCh color **36, 21.051, 243.581** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **32, 32.271, 49.896**, and the grayscale version is **33, 0.005, 296.813**.




A 20% lighter version of the original color is **56, 20.897, 244.219**, and **16, 18.441, 255.325** is the 20% darker color. If you saturate the color by 10%, you get **34, 23.127, 246.796**, and if you desaturate by 10%, it is **38, 18.668, 240.933**.

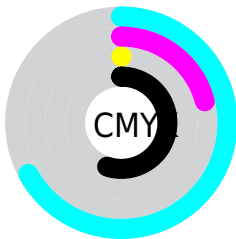
Distribution







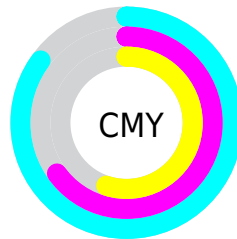
-  Red (15%)
-  Green (35%)
-  Blue (45%)






-  Red (15%)
-  Yellow (27%)
-  Blue (45%)



-  Cyan (67%)
-  Magenta (21%)
-  Yellow (0%)
-  Black (55%)





-  Cyan (85%)
-  Magenta (65%)
-  Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 21.051, 243.581 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, 21.051, 243.581 by changing the saturation by 10% instead.


 36, 21.051,
243.581


 36, 21.051,
243.581

 100, 21.051,
243.581


 26, 21.051,
243.581

 56, 21.051,
243.581


 16, 21.051,
243.581


 66, 21.051,
243.581

 6, 21.051, 243.581

 76, 21.051,
243.581

 0, 21.051, 243.581

 86, 21.051,
243.581

 96, 21.051,
243.581

■ 36, 21.051,
243.581

■ 36, 21.051,
243.581

■ 34, 23.127,
246.796

■ 38, 18.668,
240.933

■ 33, 24.932,
250.623

■ 39, 15.979,
238.781

■ 32, 26.591,
254.861

■ 41, 13.004,
237.046

■ 31, 27.073,
255.975

■ 43, 9.774, 235.658

■ 45, 6.330, 234.556

■ 47, 2.709, 233.729

■ 49, 1.053, 52.571

■ 51, 4.924, 52.241

■ 53, 8.876, 51.807

Harmonies

Complementary

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



36, 21.051, 243.581



32, 32.271, 49.896

Rectangle

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



36, 21.051, 243.581



36, 21.051, 293.581



36, 21.051, 63.581



36, 21.051, 113.581

Sweetspot

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



36, 21.050, 243.581



56, 9.004, 234.888



43, 42.989, 147.553



28, 6.074, 235.120



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, 21.050, 243.581



44, 29.136, 248.950



24, 40.536, 292.369



22, 2.068, 233.848



33, 28.050, 256.252



66, 49.280, 259.380

Inverse Universe

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



29, 42.332, 340.230



35, 57.937, 342.189



42, 36.215, 92.701



22, 3.681, 335.333



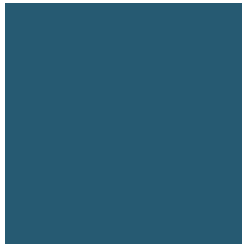
26, 52.792, 344.938



55, 89.204, 346.225

Previews

White Background



This preview shows how the CIELCh color 36, 21.051, 243.581 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, 21.051, 243.581 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, 21.051, 243.581

Background



This preview shows how black text looks on a background with the CIELCh color 36, 21.051, 243.581.



This preview shows how white text looks on a background with the CIELCh color 36, 21.051, 243.581.

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, 20.914, 243.978

Protanopia

36, 16.224, 286.231

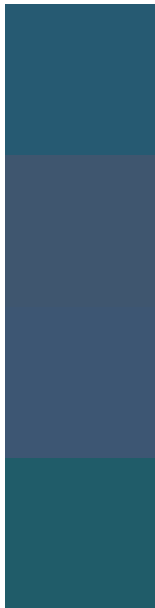
Deuteranopia

36, 20.647, 284.640



Tritanopia
36, 20.021, 209.711

Trichromacy



Original Color
36, 20.914, 243.978

Protanomaly
36, 17.136, 264.816

Deuteranomaly
36, 19.502, 267.438

Tritanomaly
36, 19.623, 221.903

Monochromacy



Original Color
36, 20.914, 243.978

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 9.098, 237.265

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 21.051, 243.581 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(38, 90, 114)` looks like.

```
.text, #text, p{  
    color:rgb(38, 90, 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(38, 90, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 90, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 21.051, 243.581 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(38, 90, 114) }
```

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

```
.border{ border-color:rgb(38, 90, 114) }
```

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

Here you see how a box with a 4 pixel rgb(38, 90, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 90, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 90, 114);  
box-shadow:4px 4px 4px 4px rgb(38, 90,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 21.051, 243.581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 90, 114) }
```

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

```
.background{ background-color: rgb(38, 90,  
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](#).

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