

Converting Colors

CIELCh(33, 47.891, 209.567)

Have a look what the booklet for
CIELCh(33, 47.891, 209.567)
contains.

CIELCh(36, 24.041, 228.587)	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, 24.041, 228.587)

Conversions

Conversions Part 1

Format	Color
Hex	005D71
RGB	0, 93, 113
RGB Percent	0%, 36%, 44%
CMY	1.0000, 0.6352, 0.5569
CMYK	1.00, 0.18, 0.00, 0.56
HSL	191°, 100%, 22%
HSV	191°, 100%, 44%
XYZ	6.8658, 9.0082, 16.9956
YIQ	67.4730, -61.8480, -13.4960

Conversions

Conversions Part 2

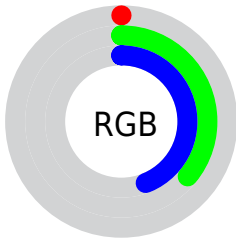
Format	Color
RYB	0, 51, 113
Decimal	23921
CIELab	36.00, -15.90, -18.03
CIElCh	36, 24.041, 228.587
Yxy	9.0082, 0.2089, 0.2741
Android (android.graphics.Color)	4278214001 (0xFF005D71)
YUV	67.4730, 22.4448, -59.1738
Hunter-Lab	30.0136, -11.6908, -12.5642

Details

The CIELCh color **36, 24.041, 228.587** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **24, 52.505, 41.976**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 23.861, 229.962**, and **18, 17.079, 245.220** is the 20% darker color. If you saturate the color by 10%, you get **36, 23.890, 228.822**, and if you desaturate by 10%, it is **37, 23.179, 226.174**.

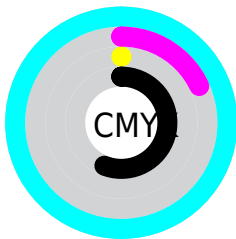
Distribution



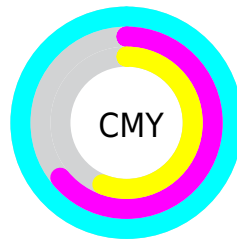
- Red (0%)
- Green (36%)
- Blue (44%)



- Red (0%)
- Yellow (20%)
- Blue (44%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (56%)




- Cyan (100%)
- Magenta (64%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 24.041, 228.587 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, 24.041, 228.587 by changing the saturation by 10% instead.

 36, 24.041,
228.587

 36, 24.041,
228.587

 100, 24.041,
228.587


 26, 24.041,
228.587

 56, 24.041,
228.587


 16, 24.041,
228.587


 66, 24.041,
228.587

 6, 24.041, 228.587

 76, 24.041,
228.587

 0, 24.041, 228.587

 86, 24.041,
228.587

 96, 24.041,
228.587

■ 36, 24.041,
228.587

■ 36, 24.041,
228.587

■ 36, 23.890,
228.822

■ 37, 23.179,
226.174

■ 38, 22.242,
223.778

■ 39, 20.853,
221.861

■ 40, 18.996,
220.361

■ 41, 16.689,
219.213

■ 42, 13.969,
218.355

■ 43, 10.886,
217.736

■ 45, 7.495, 217.313

Harmonies

Complementary

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



36, 24.041, 228.587



24, 52.505, 41.976

Rectangle

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



36, 24.041, 228.587



36, 24.041, 278.587



36, 24.041, 48.587



36, 24.041, 98.587

Sweetspot

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



36, 23.890, 228.822



56, 13.536, 217.778



41, 61.724, 138.615



28, 9.068, 217.959



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, 23.890, 228.822



47, 29.028, 229.811



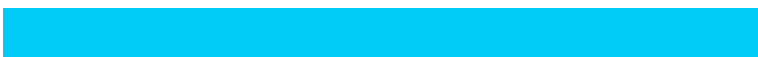
18, 51.212, 294.923



23, 2.158, 217.061



38, 24.920, 229.057



76, 42.626, 231.182

Inverse Universe

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



25, 55.562, 336.336



33, 67.246, 336.596



35, 45.329, 76.992



22, 4.055, 330.217



26, 57.904, 336.398



56, 98.167, 336.960

Previews

White Background



This preview shows how the CIE LCh color 36, 24.041, 228.587 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, 24.041, 228.587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

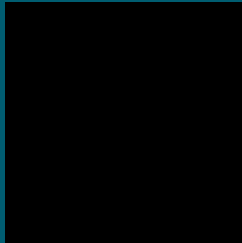
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 24.041, 228.587

Background



This preview shows how black text looks on a background with the CIELCh color 36, 24.041, 228.587.

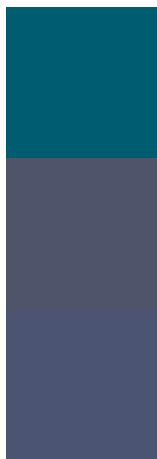


This preview shows how white text looks on a background with the CIELCh color 36, 24.041, 228.587.

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, 23.893, 228.876

Protanopia

36, 13.744, 284.472

Deuteranopia

36, 19.353, 284.754



Tritanopia
36, 23.301, 209.141

Trichromacy



Original Color
36, 23.893, 228.876

Protanomaly
35, 17.855, 249.053

Deuteranomaly
35, 20.281, 255.158

Tritanomaly
36, 23.275, 215.726

Monochromacy



Original Color
36, 23.893, 228.876

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 12.838, 221.535

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 24.041, 228.587 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(0, 93, 113)` looks like.

```
.text, #text, p{  
    color:rgb(0, 93, 113)  
}
```

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(0, 93, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 93, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 24.041, 228.587 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(0, 93, 113) }
```

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

```
.border{ border-color:rgb(0, 93, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 93, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 93, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 93, 113);  
box-shadow:4px 4px 4px 4px rgb(0, 93, 113)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 24.041, 228.587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 93, 113) }
```

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

```
.background{ background-color: rgb(0, 93,  
113) }
```

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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