

Converting Colors

CIELCh(34, 37.062, 210.020)

Have a look what the booklet for
CIELCh(34, 37.062, 210.020)
contains.

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Color

CIELCh(36, 23.436, 220.636)

Conversions

Conversions Part 1

Format	Color
Hex	005E6D
RGB	0, 94, 109
RGB Percent	0%, 37%, 43%
CMY	1.0000, 0.6332, 0.5744
CMYK	1.00, 0.14, 0.00, 0.57
HSL	188°, 100%, 21%
HSV	188°, 100%, 43%
XYZ	6.6813, 9.0082, 15.7188
YIQ	67.6040, -60.8390, -15.2630

Conversions

Conversions Part 2

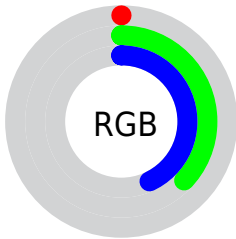
Format	Color
RYB	0, 50, 109
Decimal	24173
CIELab	36.00, -17.78, -15.26
CIELCh	36, 23.436, 220.636
Yxy	9.0082, 0.2127, 0.2868
Android (android.graphics.Color)	4278214253 (0xFF005E6D)
YUV	67.6040, 20.4082, -59.2887
Hunter-Lab	30.0136, -12.7879, -10.0420

Details

The CIELCh color **36, 23.436, 220.636** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **22, 51.304, 40.360**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 23.529, 220.683**, and **18, 15.732, 232.600** is the 20% darker color. If you saturate the color by 10%, you get **36, 23.358, 220.726**, and if you desaturate by 10%, it is **37, 22.745, 218.786**.

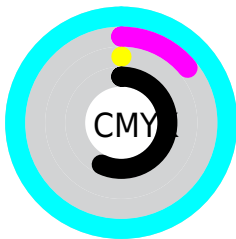
Distribution



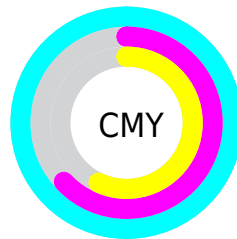
- Red (0%)
- Green (37%)
- Blue (43%)



- Red (0%)
- Yellow (20%)
- Blue (43%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (57%)




- Cyan (100%)
- Magenta (63%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 23.436, 220.636 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, 23.436, 220.636 by changing the saturation by 10% instead.


 36, 23.436,
220.636


 36, 23.436,
220.636

 100, 23.436,
220.636


 26, 23.436,
220.636

 56, 23.436,
220.636


 16, 23.436,
220.636


 66, 23.436,
220.636

 6, 23.436, 220.636

 76, 23.436,
220.636

 0, 23.436, 220.636

 86, 23.436,
220.636

 96, 23.436,
220.636

■ 36, 23.436,
220.636

■ 36, 23.436,
220.636

■ 36, 23.358,
220.726

■ 37, 22.745,
218.786

■ 37, 21.896,
217.030

■ 38, 20.577,
215.649

■ 39, 18.778,
214.593

■ 40, 16.521,
213.813

■ 41, 13.843,
213.263

■ 42, 10.797,
212.903

■ 43, 7.439, 212.702

Harmonies

Complementary

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



36, 23.436, 220.636



22, 51.304, 40.360

Rectangle

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



36, 23.436, 220.636



36, 23.436, 270.636



36, 23.436, 40.636



36, 23.436, 90.636

Sweetspot

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



36, 23.358, 220.726



54, 13.288, 212.925



39, 60.794, 138.050



27, 9.029, 213.026



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



36, 23.358, 220.726



46, 28.046, 221.468



18, 46.872, 292.656



22, 2.130, 212.661



39, 24.677, 220.967



78, 42.352, 222.632

Inverse Universe

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



24, 55.574, 334.274



32, 66.634, 334.459



33, 43.977, 74.132



21, 4.007, 328.930



26, 58.686, 334.334



56, 100.377, 334.751

Previews

White Background



This preview shows how the CIELCh color 36, 23.436, 220.636 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, 23.436, 220.636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

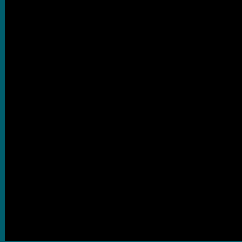
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 23.436, 220.636

Background



This preview shows how black text looks on a background with the CIELCh color 36, 23.436, 220.636.

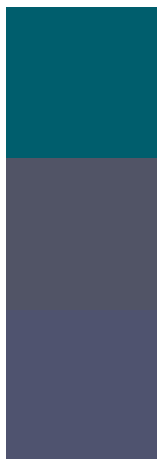


This preview shows how white text looks on a background with the CIELCh color 36, 23.436, 220.636.

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, 23.436, 220.636

Protanopia

36, 11.215, 286.027

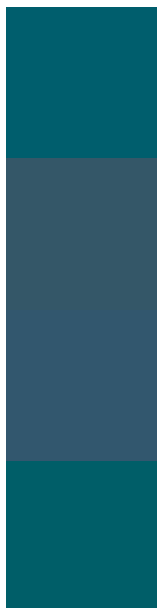
Deuteranopia

36, 17.425, 288.132



Tritanopia
36, 23.301, 209.141

Trichromacy



Original Color
36, 23.436, 220.636

Protanomaly
35, 15.616, 241.390

Deuteranomaly
35, 18.263, 250.646

Tritanomaly
36, 23.253, 212.431

Monochromacy



Original Color
36, 23.436, 220.636

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 12.809, 212.256

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 23.436, 220.636 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, 94, 109)` looks like.

```
.text, #text, p{  
    color:rgb(0, 94, 109)  
}
```

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, 94, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 94, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 23.436, 220.636 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, 94, 109) }
```

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

```
.border{ border-color:rgb(0, 94, 109) }
```

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

Here you see how a box with a 4 pixel rgb(0, 94, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 94, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 94, 109);  
box-shadow:4px 4px 4px 4px rgb(0, 94, 109)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 23.436, 220.636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 94, 109) }
```

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

```
.background{ background-color: rgb(0, 94,  
109) }
```

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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