

Converting Colors

CIELCh(33, 32.029, 204.979)

Have a look what the booklet for
CIELCh(33, 32.029, 204.979)
contains.

CIELCh(34, 22.596, 209.646)	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(34, 22.596, 209.646)

Conversions

Conversions Part 1

Format	Color
Hex	005961
RGB	0, 89, 97
RGB Percent	0%, 35%, 38%
CMY	1.0000, 0.6507, 0.6193
CMYK	1.00, 0.08, 0.00, 0.62
HSL	185°, 100%, 19%
HSV	185°, 100%, 38%
XYZ	5.7147, 8.0082, 12.5698
YIQ	63.3010, -55.6120, -16.3800

Conversions

Conversions Part 2

Format	Color
RYB	0, 46, 97
Decimal	22881
CIELab	34.00, -19.64, -11.18
CIELCh	34, 22.596, 209.646
Yxy	8.0082, 0.2173, 0.3046
Android (android.graphics.Color)	4278212961 (0xFF005961)
YUV	63.3010, 16.6136, -55.5150
Hunter-Lab	28.2988, -13.4764, -6.5264

Details

The CIELCh color **34, 22.596, 209.646** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **19, 47.143, 37.705**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 22.311, 211.007**, and **15, 14.065, 220.887** is the 20% darker color. If you saturate the color by 10%, you get **34, 22.432, 209.760**, and if you desaturate by 10%, it is **34, 21.797, 208.821**.

Distribution



- Red (0%)
- Green (35%)
- Blue (38%)



- Red (0%)
- Yellow (18%)
- Blue (38%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (62%)



- Cyan (100%)
- Magenta (65%)
- Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 22.596, 209.646 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 34, 22.596, 209.646 by changing the saturation by 10% instead.

 34, 22.596,
209.646

 34, 22.596,
209.646

 100, 22.596,
209.646

 24, 22.596,
209.646

 54, 22.596,
209.646

 14, 22.596,
209.646

 64, 22.596,
209.646

 4, 22.596, 209.646

 74, 22.596,
209.646

 0, 22.596, 209.646

 84, 22.596,
209.646

 94, 22.596,
209.646

■ 34, 22.596,
209.646

■ 34, 22.596,
209.646

■ 34, 22.432,
209.760

■ 34, 21.797,
208.821

■ 35, 20.973,
207.956

■ 35, 19.696,
207.309

■ 36, 17.963,
206.855

■ 37, 15.797,
206.571

■ 37, 13.233,
206.433

■ 38, 10.319,
206.418

■ 39, 7.107, 206.512

Harmonies

Complementary

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



34, 22.596, 209.646



19, 47.143, 37.705

Rectangle

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



34, 22.596, 209.646



34, 22.596, 259.646



34, 22.596, 29.646



34, 22.596, 79.646

Sweetspot

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



34, 22.432, 209.760



49, 12.661, 206.415



35, 57.442, 137.142



25, 8.613, 206.410



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



34, 22.432, 209.760



44, 26.776, 210.191



18, 37.972, 287.117



19, 2.050, 206.751



39, 24.813, 210.017



80, 43.176, 210.973

Inverse Universe

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



21, 53.600, 331.575



28, 64.003, 331.681



28, 40.434, 68.479



18, 3.828, 327.188



25, 59.303, 331.638



56, 103.268, 331.872

Previews

White Background



This preview shows how the CIELCh color 34, 22.596, 209.646 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 34, 22.596, 209.646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

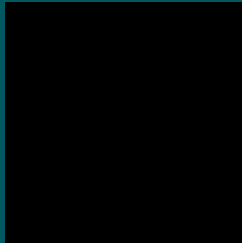
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 22.596, 209.646

Background



This preview shows how black text looks on a background with the CIELCh color 34, 22.596, 209.646.



This preview shows how white text looks on a background with the CIELCh color 34, 22.596, 209.646.

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

34, 22.420, 209.778

Protanopia

34, 6.926, 284.619

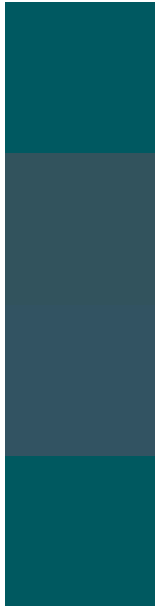
Deuteranopia

34, 12.543, 290.512



Tritanopia
34, 22.463, 208.059

Trichromacy



Original Color
34, 22.420, 209.778

Protanomaly
33, 13.201, 226.720

Deuteranomaly
33, 14.545, 238.992

Tritanomaly
34, 22.463, 208.059

Monochromacy



Original Color
34, 22.420, 209.778

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 12.160, 206.886

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 22.596, 209.646 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, 89, 97)` looks like.

```
.text, #text, p{  
    color:rgb(0, 89, 97)  
}
```

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, 89, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 89, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 22.596, 209.646 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, 89, 97) }
```

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

```
.border{ border-color:rgb(0, 89, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 89, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 89, 97); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 89, 97); box-shadow:4px  
4px 4px 4px rgb(0, 89, 97) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 22.596, 209.646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 89, 97) }
```

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

```
.background{ background-color: rgb(0, 89,  
97) }
```

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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