

Converting Colors

CIELCh(36, 7.764, 198.556)

Have a look what the booklet for
CIELCh(36, 7.764, 198.556) contains.

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Color

CIELCh(36, 7.640, 198.404)

Conversions

Conversions Part 1

Format	Color
Hex	455858
RGB	69, 88, 88
RGB Percent	27%, 35%, 35%
CMY	0.7284, 0.6538, 0.6538
CMYK	0.22, 0.00, 0.00, 0.65
HSL	180°, 12%, 31%
HSV	180°, 22%, 35%
XYZ	7.7578, 9.0082, 10.6215
YIQ	82.3190, -11.3240, -4.0280

Conversions

Conversions Part 2

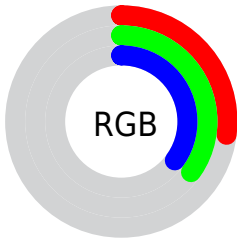
Format	Color
RYB	69, 79, 88
Decimal	4544600
CIELab	36.00, -7.25, -2.41
CIELCh	36, 7.640, 198.404
Yxy	9.0082, 0.2833, 0.3289
Android (android.graphics.Color)	4282734680 (0xFF455858)
YUV	82.3190, 2.8007, -11.6808
Hunter-Lab	30.0136, -6.3857, 0.0274

Details

The CIELCh color **36, 7.640, 198.404** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **31, 8.701, 20.806**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 7.557, 198.709**, and **16, 7.728, 197.769** is the 20% darker color. If you saturate the color by 10%, you get **35, 10.832, 197.962**, and if you desaturate by 10%, it is **37, 4.203, 198.895**.

Distribution



Red (27%)

Green (35%)

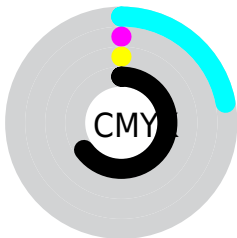
Blue (35%)



Red (27%)

Yellow (31%)

Blue (35%)

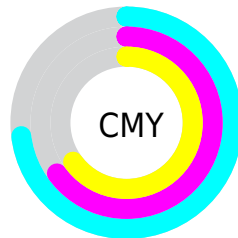


Cyan (22%)

Magenta (0%)

Yellow (0%)

Black (65%)



Cyan (73%)

Magenta (65%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 7.640, 198.404 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, 7.640, 198.404 by changing the saturation by 10% instead.

■ 36, 7.640, 198.404

■ 36, 7.640, 198.404

■ 100, 7.640,
198.404

■ 26, 7.640, 198.404

■ 56, 7.640, 198.404

■ 16, 7.640, 198.404

■ 66, 7.640, 198.404

■ 6, 7.640, 198.404

■ 76, 7.640, 198.404

■ 0, 7.640, 198.404

■ 86, 7.640, 198.404

■ 96, 7.640, 198.404

■ 36, 7.640, 198.404

■ 36, 7.640, 198.404

■ 35, 10.832,
197.962

■ 37, 4.203, 198.895

35, 13.728,
197.576

37, 0.571, 199.855

34, 16.279,
197.243

38, 3.210, 19.749

34, 18.444,
196.964

39, 7.098, 20.346

34, 20.192,
196.742

41, 15.063, 21.501

34, 21.512,
196.576

42, 19.085, 22.082

34, 22.427,
196.461

44, 27.117, 23.238

33, 23.124,
196.373

Harmonies

Complementary

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



36, 7.640, 198.404



31, 8.701, 20.806

Rectangle

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



36, 7.640, 198.404



36, 7.640, 248.404



36, 7.640, 18.404



36, 7.640, 68.404

Sweetspot

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



36, 7.640, 198.398



48, 2.747, 199.217



35, 14.375, 142.765



24, 1.835, 199.193



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



36, 7.640, 198.398



46, 11.265, 198.160



33, 6.900, 256.406



17, 2.022, 199.052



41, 26.470, 196.373



85, 47.054, 196.372

Inverse Universe

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



31, 8.701, 20.806



39, 13.290, 21.297



34, 7.309, 71.179



16, 2.127, 19.813



21, 52.680, 36.569



49, 98.178, 39.997

Previews

White Background



This preview shows how the CIELCh color 36, 7.640, 198.404 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, 7.640, 198.404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

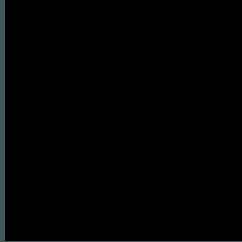
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

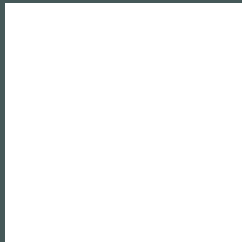
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 7.640, 198.404

Background



This preview shows how black text looks on a background with the CIELCh color 36, 7.640, 198.404.



This preview shows how white text looks on a background with the CIELCh color 36, 7.640, 198.404.

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

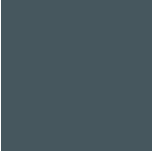
36, 7.640, 198.404

Protanopia

36, 1.518, 324.466

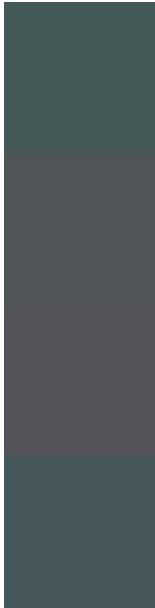
Deuteranopia

36, 6.039, 324.866



Tritanopia
36, 7.830, 232.609

Trichromacy



Original Color

36, 7.640, 198.404

Protanomaly

36, 2.568, 213.196

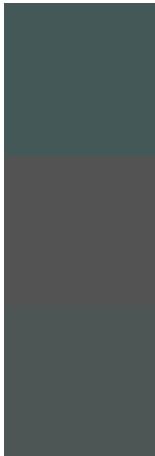
Deuteranomaly

36, 3.206, 275.687

Tritanomaly

36, 7.317, 223.885

Monochromacy



Original Color

36, 7.640, 198.404

Achromatopsia

35, 0.005, 296.813

Achromatomaly

36, 2.931, 199.094

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 7.640, 198.404 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(69, 88, 88)` looks like.

```
.text, #text, p{  
    color:rgb(69, 88, 88)  
}
```

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(69, 88, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 88, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 7.640, 198.404 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(69, 88, 88) }
```

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

```
.border{ border-color:rgb(69, 88, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 88, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 88, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 88, 88);  
box-shadow:4px 4px 4px 4px rgb(69, 88, 88)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 7.640, 198.404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 88, 88) }
```

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

```
.background{ background-color: rgb(69, 88,  
88) }
```

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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