

Converting Colors

CIELCh(40, 12.290, 164.980)

Have a look what the booklet for
CIELCh(40, 12.290, 164.980)
contains.

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Color

CIELCh(40, 12.293, 164.858)

Conversions

Conversions Part 1

Format	Color
Hex	4B6459
RGB	75, 100, 89
RGB Percent	29%, 39%, 35%
CMY	0.7071, 0.6091, 0.6522
CMYK	0.25, 0.00, 0.11, 0.61
HSL	154°, 14%, 34%
HSV	154°, 25%, 39%
XYZ	9.1929, 11.2510, 11.0683
YIQ	91.2710, -11.3690, -8.7210

Conversions

Conversions Part 2

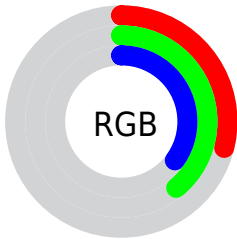
Format	Color
R_{YB}	75, 91, 100
Decimal	4940889
CIE _{Lab}	40.00, -11.87, 3.21
CIE _{LCh}	40, 12.293, 164.858
Yxy	11.2510, 0.2917, 0.3570
Android (android.graphics.Color)	4283130969 (0xFF4B6459)
YUV	91.2710, -1.1196, -14.2697
Hunter-Lab	33.5425, -9.7785, 3.9152

Details

The CIELCh color $40, 12.293, 164.858$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $35, 12.779, 349.242$, and the grayscale version is $39, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 12.413, 165.210$, and $20, 11.929, 166.247$ is the 20% darker color. If you saturate the color by 10%, you get $39, 17.044, 163.825$, and if you desaturate by 10%, it is $41, 7.425, 165.799$.

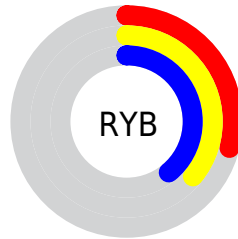
Distribution



Red (29%)

Green (39%)

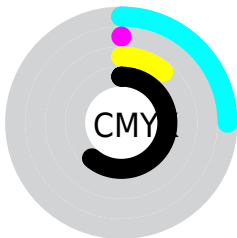
Blue (35%)



Red (29%)

Yellow (36%)

Blue (39%)

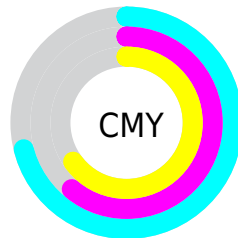


Cyan (25%)

Magenta (0%)

Yellow (11%)

Black (61%)



Cyan (71%)

Magenta (61%)

Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 12.293, 164.858 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 40, 12.293, 164.858 by changing the saturation by 10% instead.


 40, 12.293,
164.858


 40, 12.293,
164.858


 100, 12.293,
164.858


 30, 12.293,
164.858

 60, 12.293,
164.858


 20, 12.293,
164.858


 70, 12.293,
164.858


 10, 12.293,
164.858

 80, 12.293,
164.858

 0, 12.293, 164.858

 90, 12.293,
164.858

 40, 12.293,

 40, 12.293,

164.858

164.858

■ 39, 17.044,
163.825

■ 41, 7.425, 165.799

■ 39, 21.608,
162.685

■ 42, 2.499, 166.718

■ 38, 25.910,
161.413

■ 43, 2.433, 347.291

■ 38, 29.883,
159.989

■ 44, 7.330, 348.086

■ 37, 33.465,
158.395

■ 45, 12.160,
348.777

■ 37, 36.620,
156.615

■ 46, 16.902,
349.417

■ 37, 39.398,
154.712

■ 47, 21.539,
350.019

■ 37, 40.750,
153.851

■ 49, 26.061,
350.587

Harmonies

Complementary

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



40, 12.293, 164.858



35, 12.779, 349.242

Rectangle

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



40, 12.293, 164.858



40, 12.293, 214.858



40, 12.293, 344.858



40, 12.293, 34.858

Sweetspot

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



40, 12.294, 164.856



53, 4.909, 166.417



40, 16.230, 129.746



27, 3.516, 166.310



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



40, 12.294, 164.856



51, 18.221, 164.268



40, 9.236, 203.057



21, 2.821, 166.352



42, 45.371, 153.439



85, 80.977, 151.947

Inverse Universe

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



35, 12.779, 349.242



43, 19.111, 349.868



35, 10.837, 25.108



19, 2.863, 347.696



23, 46.836, 5.545



52, 81.270, 8.715

Previews

White Background



This preview shows how the CIELCh color 40, 12.293, 164.858 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 × Fail

Black Background



This preview shows how the CIELCh color 40, 12.293, 164.858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 40, 12.293, 164.858

Background



This preview shows how black text looks on a background with the CIELCh color 40, 12.293, 164.858.



This preview shows how white text looks on a background with the CIELCh color 40, 12.293, 164.858.

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

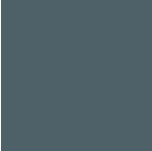
40, 12.293, 164.858

Protanopia

40, 5.728, 91.577

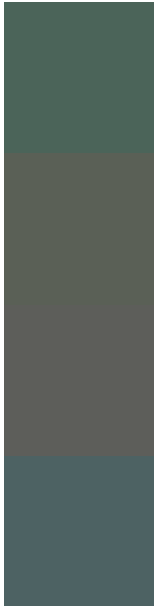
Deuteranopia

40, 5.602, 20.114



Tritanopia
40, 8.628, 233.292

Trichromacy



Original Color
40, 12.293, 164.858

Protanomaly
40, 6.613, 132.088

Deuteranomaly
40, 2.471, 119.675

Tritanomaly
40, 8.252, 202.676

Monochromacy



Original Color
40, 12.293, 164.858

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 4.513, 166.041

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 12.293, 164.858 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(75, 100, 89)` looks like.

```
.text, #text, p{  
    color:rgb(75, 100, 89)  
}
```

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(75, 100, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 100, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 12.293, 164.858 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(75, 100, 89) }
```

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

```
.border{ border-color:rgb(75, 100, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 100, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 100, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 100, 89);  
box-shadow:4px 4px 4px 4px rgb(75, 100,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 12.293, 164.858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 100, 89) }
```

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

```
.background{ background-color: rgb(75, 100,  
89) }
```

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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