

Converting Colors

CIELCh(40, 32.388, 116.989)

Have a look what the booklet for
CIELCh(40, 32.388, 116.989)
contains.

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Color

CIELCh(40, 32.660, 116.987)

Conversions

Conversions Part 1

Format	Color
Hex	56642D
RGB	86, 100, 45
RGB Percent	34%, 39%, 18%
CMY	0.6632, 0.6083, 0.8240
CMYK	0.14, 0.00, 0.55, 0.61
HSL	75°, 38%, 28%
HSV	75°, 55%, 39%
XYZ	8.8424, 11.2510, 4.1762
YIQ	89.5440, 9.3110, -20.0730

Conversions

Conversions Part 2

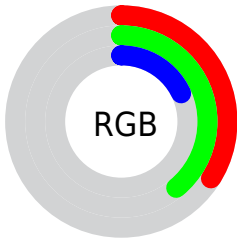
Format	Color
RYB	45, 100, 59
Decimal	5661741
CIELab	40.00, -14.82, 29.10
CIELCh	40, 32.660, 116.987
Yxy	11.2510, 0.3643, 0.4636
Android (android.graphics.Color)	4283851821 (0xFF56642D)
YUV	89.5440, -21.9602, -3.1081
Hunter-Lab	33.5425, -11.6435, 16.0979




Details

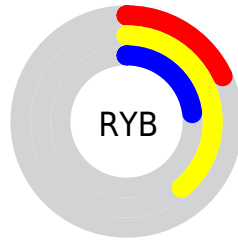
The CIELCh color $40, 32.660, 116.987$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $23, 36.898, 304.447$, and the grayscale version is $38, 0.005, 296.813$.




A 20% lighter version of the original color is $60, 32.501, 117.199$, and $20, 31.309, 117.492$ is the 20% darker color. If you saturate the color by 10%, you get $40, 37.840, 116.603$, and if you desaturate by 10%, it is $40, 27.087, 117.484$.

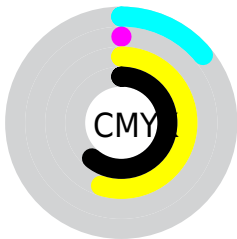
Distribution







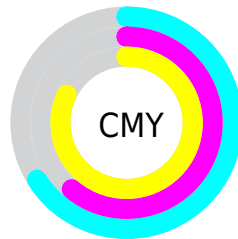
-  Red (34%)
-  Green (39%)
-  Blue (18%)






-  Red (18%)
-  Yellow (39%)
-  Blue (23%)



-  Cyan (14%)
-  Magenta (0%)
-  Yellow (55%)
-  Black (61%)





-  Cyan (66%)
-  Magenta (61%)
-  Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 32.660, 116.987 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, 32.660, 116.987 by changing the saturation by 10% instead.


 40, 32.660,
116.987


 40, 32.660,
116.987


 100, 32.660,
116.987


 30, 32.660,
116.987

 60, 32.660,
116.987


 20, 32.660,
116.987

 70, 32.660,
116.987


 10, 32.660,
116.987

 80, 32.660,
116.987

 0, 32.660, 116.987

 90, 32.660,
116.987

 40, 32.660,

 40, 32.660,

116.987

116.987

■ 40, 37.840,
116.603

■ 40, 27.087,
117.484

■ 39, 42.428,
116.392

■ 41, 21.259,
118.041

■ 39, 46.187,
116.438

■ 41, 15.277,
118.627

■ 39, 49.071,
116.749

■ 42, 9.206, 119.218

■ 39, 50.516,
116.864

■ 42, 3.094, 119.804

■ 43, 3.028, 300.354

■ 43, 9.136, 300.896

■ 44, 15.214,
301.405

■ 44, 21.247,
301.883

Harmonies

Complementary

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



40, 32.660, 116.987



23, 36.898, 304.447

Rectangle

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



40, 32.660, 116.987



40, 32.660, 166.987



40, 32.660, 296.987



40, 32.660, 346.987

Sweetspot

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



40, 32.661, 116.989



53, 12.903, 119.074



29, 23.206, 44.349



27, 8.695, 118.996



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, 32.661, 116.989



51, 47.346, 116.521



38, 37.164, 134.496



21, 3.493, 119.578



44, 55.787, 117.068



89, 97.143, 117.835

Inverse Universe

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



23, 36.898, 304.447



26, 55.567, 305.734



26, 38.214, 319.420



19, 3.556, 300.617



13, 72.204, 308.142



33, 126.065, 307.651

Previews

White Background



This preview shows how the CIELCh color 40, 32.660, 116.987 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 CIE LCh color 40, 32.660, 116.987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

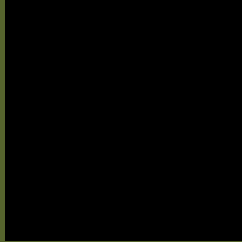
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

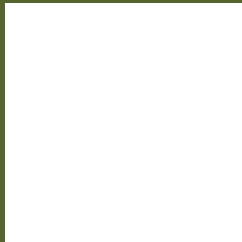
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 32.660, 116.987

Background



This preview shows how black text looks on a background with the CIELCh color 40, 32.660, 116.987.



This preview shows how white text looks on a background with the CIELCh color 40, 32.660, 116.987.

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, 32.660, 116.987

Protanopia

40, 30.445, 96.149

Deuteranopia

40, 28.550, 79.440



Tritanopia
40, 4.282, 285.400

Trichromacy



Original Color
40, 32.660, 116.987

Protanomaly
40, 30.465, 104.500

Deuteranomaly
40, 28.394, 94.878

Tritanomaly
40, 9.475, 124.786

Monochromacy



Original Color
40, 32.660, 116.987

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 12.367, 118.662

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 32.660, 116.987 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(86, 100, 45)` looks like.

```
.text, #text, p{  
    color:rgb(86, 100, 45)  
}
```

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(86, 100, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 100, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 32.660, 116.987 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(86, 100, 45) }
```

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

```
.border{ border-color:rgb(86, 100, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 100, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 100, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 100, 45);  
box-shadow:4px 4px 4px 4px rgb(86, 100,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 32.660, 116.987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 100, 45) }
```

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

```
.background{ background-color: rgb(86, 100,  
45) }
```

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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