

Converting Colors

CIELCh(40, 32.282, 118.008)

Have a look what the booklet for
CIELCh(40, 32.282, 118.008)
contains.

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Color

CIELCh(40, 32.249, 118.029)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 55642E |
| RGB | 85, 100, 46 |
| RGB Percent | 33%, 39%, 18% |
| CMY | 0.6665, 0.6077, 0.8195 |
| CMYK | 0.15, 0.00, 0.54, 0.61 |
| HSL | 77°, 37%, 29% |
| HSV | 77°, 54%, 39% |
| XYZ | 8.8034, 11.2510, 4.2956 |
| YIQ | 89.3590, 8.3940, -19.9740 |

Conversions

Conversions Part 2

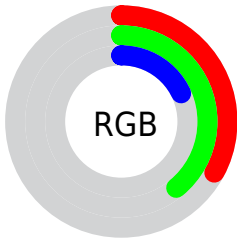
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 46, 100, 61 |
| Decimal | 5596206 |
| CIE _{Lab} | 40.00, -15.15, 28.47 |
| CIE _{LCh} | 40, 32.249, 118.029 |
| Yxy | 11.2510, 0.3615, 0.4621 |
| Android (android.graphics.Color) | 4283786286 (0xFF55642E) |
| YUV | 89.3590, -21.3760, -3.8228 |
| Hunter-Lab | 33.5425, -11.8511, 15.8867 |

Details

The CIELCh color $40, 32.249, 118.029$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $23, 36.197, 305.004$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 32.069, 118.150$, and $20, 31.446, 118.392$ is the 20% darker color. If you saturate the color by 10%, you get $40, 37.518, 117.653$, and if you desaturate by 10%, it is $40, 26.606, 118.514$.

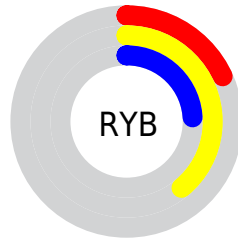
Distribution



 Red (33%)

 Green (39%)

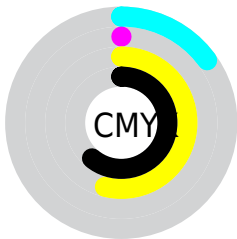
 Blue (18%)




 Red (18%)

 Yellow (39%)

 Blue (24%)

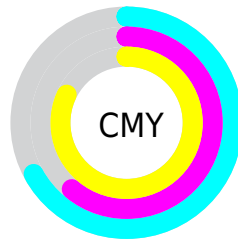


 Cyan (15%)


 Magenta (0%)

 Yellow (54%)

 Black (61%)



 Cyan (67%)


 Magenta (61%)


 Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 32.249, 118.029 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, 32.249, 118.029 by changing the saturation by 10% instead.


 40, 32.249,
118.029


 40, 32.249,
118.029


 100, 32.249,
118.029


 30, 32.249,
118.029

 60, 32.249,
118.029


 20, 32.249,
118.029

 70, 32.249,
118.029


 10, 32.249,
118.029

 80, 32.249,
118.029

 0, 32.249, 118.029

 90, 32.249,
118.029

 40, 32.249,

 40, 32.249,

118.029

118.029

■ 40, 37.518,
117.653

■ 40, 26.606,
118.514

■ 39, 42.221,
117.445

■ 41, 20.723,
119.055

■ 39, 46.123,
117.491

■ 41, 14.696,
119.622

■ 39, 49.103,
117.831

■ 42, 8.588, 120.192

■ 39, 50.880,
117.997

■ 42, 2.444, 120.757

■ 43, 3.704, 301.279

■ 43, 9.833, 301.795

■ 44, 15.926,
302.278

■ 45, 21.972,
302.731

Harmonies

Complementary

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



40, 32.249, 118.029



23, 36.197, 305.004

Rectangle

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



40, 32.249, 118.029



40, 32.249, 168.029



40, 32.249, 298.029



40, 32.249, 348.029

Sweetspot

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



40, 32.250, 118.031



53, 12.187, 120.051



30, 22.518, 45.879



27, 8.290, 119.970



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, 32.250, 118.031



51, 46.962, 117.571



38, 36.718, 135.000



21, 3.504, 120.477



44, 56.133, 118.211



88, 97.806, 119.023

Inverse Universe

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



23, 36.197, 305.004



26, 54.665, 306.204



27, 37.638, 319.906



19, 3.565, 301.473



13, 71.933, 308.426



33, 125.617, 307.906

Previews

White Background



This preview shows how the CIELCh color 40, 32.249, 118.029 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, 32.249, 118.029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

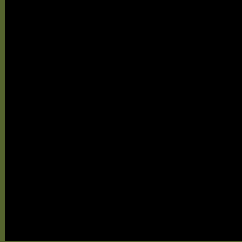
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 32.249, 118.029

Background



This preview shows how black text looks on a background with the CIELCh color 40, 32.249, 118.029.



This preview shows how white text looks on a background with the CIELCh color 40, 32.249, 118.029.

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, 32.249, 118.029

Protanopia

40, 29.913, 96.083

Deuteranopia

40, 28.030, 79.053



Tritanopia
40, 4.931, 281.517

Trichromacy



Original Color
40, 32.249, 118.029

Protanomaly
40, 29.930, 104.568

Deuteranomaly
40, 27.849, 94.770

Tritanomaly
40, 9.039, 128.469

Monochromacy



Original Color
40, 32.249, 118.029

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, 32.249, 118.029 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(85, 100, 46)` looks like.

```
.text, #text, p{  
    color:rgb(85, 100, 46)  
}
```

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(85, 100, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 100, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 32.249, 118.029 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(85, 100, 46) }
```

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

```
.border{ border-color:rgb(85, 100, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 100, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 100, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 100, 46);  
box-shadow:4px 4px 4px 4px rgb(85, 100,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 32.249, 118.029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 100, 46) }
```

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

```
.background{ background-color: rgb(85, 100,  
46) }
```

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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