

Converting Colors

CIELCh(66, 40.505, 90.838)

Have a look what the booklet for
CIELCh(66, 40.505, 90.838) contains.

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Color

CIELCh(66, 40.359, 91.320)

Conversions

Conversions Part 1

Format	Color
Hex	B69F57
RGB	182, 159, 87
RGB Percent	71%, 62%, 34%
CMY	0.2872, 0.3773, 0.6596
CMYK	0.00, 0.13, 0.52, 0.29
HSL	45°, 39%, 53%
HSV	45°, 52%, 71%
XYZ	33.3100, 35.3238, 14.0357
YIQ	157.6690, 36.8200, -17.5160

Conversions

Conversions Part 2

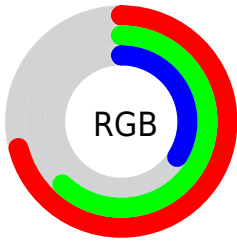
Format	Color
RYB	117, 182, 87
Decimal	11968343
CIELab	66.00, -0.93, 40.35
CIELCh	66, 40.359, 91.320
Yxy	35.3238, 0.4029, 0.4273
Android (android.graphics.Color)	4290158423 (0xFFB69F57)
YUV	157.6690, -34.8398, 21.3383
Hunter-Lab	59.4338, -3.9681, 27.6019

Details

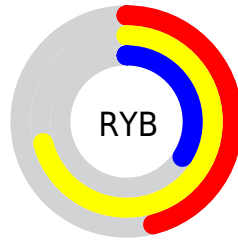
The CIELCh color **66, 40.359, 91.320** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **48, 42.626, 286.819**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 40.453, 90.857**, and **46, 40.456, 91.308** is the 20% darker color. If you saturate the color by 10%, you get **65, 47.686, 89.997**, and if you desaturate by 10%, it is **67, 32.704, 92.619**.

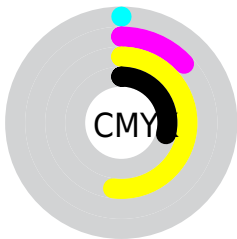
Distribution



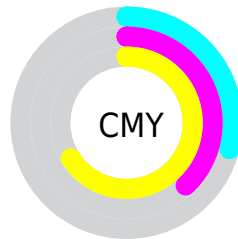
- Red (71%)
- Green (62%)
- Blue (34%)



- Red (46%)
- Yellow (71%)
- Blue (34%)



- Cyan (0%)
- Magenta (13%)
- Yellow (52%)
- Black (29%)



- Cyan (29%)
- Magenta (38%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 40.359, 91.320 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 66, 40.359, 91.320 by changing the saturation by 10% instead.

■ 66, 40.359, 91.320

■ 66, 40.359, 91.320

■ 100, 40.359,
91.320

■ 56, 40.359, 91.320

■ 86, 40.359, 91.320

■ 46, 40.359, 91.320

■ 96, 40.359, 91.320

■ 36, 40.359, 91.320

■ 26, 40.359, 91.320

■ 16, 40.359, 91.320

■ 6, 40.359, 91.320

■ 0, 40.359, 91.320

■ 66, 40.359, 91.320

■ 66, 40.359, 91.320

■ 65, 47.686, 89.997

■ 67, 32.704, 92.619

63, 54.348, 88.624

69, 24.922, 93.887

62, 59.826, 87.165

70, 17.125, 95.124

61, 63.484, 85.541

72, 9.375, 96.322

60, 65.193, 84.170

74, 1.704, 97.408

75, 5.875, 278.660

77, 13.355,
279.721

79, 20.737,
280.745

80, 28.025,
281.722

Harmonies

Complementary

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



66, 40.359, 91.320



48, 42.626, 286.819

Rectangle

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



66, 40.359, 91.320



66, 40.359, 141.320



66, 40.359, 271.320



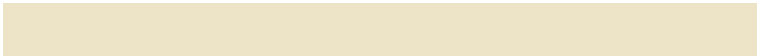
66, 40.359, 321.320

Sweetspot

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



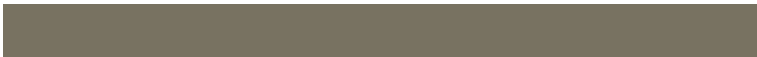
66, 40.360, 91.324



91, 15.238, 95.846



49, 41.193, 6.797



48, 10.383, 95.600



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



66, 40.360, 91.324



82, 59.760, 89.751



70, 50.550, 116.776



38, 4.363, 96.660



52, 58.168, 84.431



7, 10.737, 90.226

Inverse Universe

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



48, 42.626, 286.819



55, 64.976, 289.985



44, 57.190, 304.342



36, 4.399, 278.925



23, 76.063, 300.529



2, 12.726, 281.872

Previews

White Background



This preview shows how the CIELCh color 66, 40.359, 91.320 looks on a white background.

Color Contrast Check

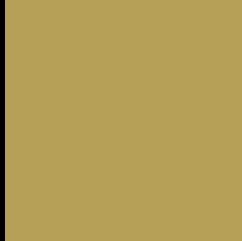
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 66, 40.359, 91.320 looks on a black 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

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

CIELCh 66, 40.359, 91.320

Background



This preview shows how black text looks on a background with the CIELCh color 66, 40.359, 91.320.



This preview shows how white text looks on a background with the CIELCh color 66, 40.359, 91.320.

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

66, 40.359, 91.320

Protanopia

66, 40.540, 95.853

Deuteranopia

66, 40.837, 78.164



Tritanopia
66, 16.523, 357.504

Trichromacy



Original Color
66, 40.359, 91.320

Protanomaly
66, 40.361, 93.902

Deuteranomaly
66, 40.183, 82.620

Tritanomaly
66, 16.999, 55.846

Monochromacy



Original Color
66, 40.359, 91.320

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 15.263, 96.179

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 40.359, 91.320 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(182, 159, 87)` looks like.

```
.text, #text, p{  
    color:rgb(182, 159, 87)  
}
```

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(182, 159, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 159, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 40.359, 91.320 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(182, 159, 87) }
```

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

```
.border{ border-color:rgb(182, 159, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 159, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(182, 159, 87); -webkit-box-shadow:4px 4px 4px 4px rgb(182, 159, 87); box-shadow:4px 4px 4px 4px rgb(182, 159, 87) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 40.359, 91.320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 159, 87) }
```

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

```
.background{ background-color: rgb(182,  
159, 87) }
```

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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