

Converting Colors

CIELCh(66, 12.259, 89.711)

Have a look what the booklet for
CIELCh(66, 12.259, 89.711) contains.

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Color

CIELCh(66, 12.259, 89.711)

Conversions

Conversions Part 1

Format	Color
Hex	AAA08B
RGB	170, 160, 139
RGB Percent	67%, 63%, 55%
CMY	0.3352, 0.3744, 0.4567
CMYK	0.00, 0.06, 0.18, 0.34
HSL	41°, 15%, 60%
HSV	41°, 18%, 66%
XYZ	33.5918, 35.3238, 29.2992
YIQ	160.5960, 12.7010, -4.4110

Conversions

Conversions Part 2

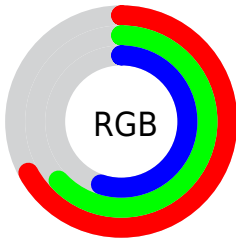
Format	Color
RYB	154, 170, 139
Decimal	11182219
CIELab	66.00, 0.06, 12.26
CIELCh	66, 12.259, 89.711
Yxy	35.3238, 0.3420, 0.3597
Android (android.graphics.Color)	4289372299 (0xFFAAA08B)
YUV	160.5960, -10.6468, 8.2473
Hunter-Lab	59.4338, -3.1215, 12.3754

Details

The CIELCh color $66, 12.259, 89.711$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $61, 12.243, 274.504$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $86, 12.082, 90.970$, and $46, 12.461, 89.968$ is the 20% darker color. If you saturate the color by 10%, you get $64, 19.150, 88.435$, and if you desaturate by 10%, it is $68, 5.493, 90.950$.

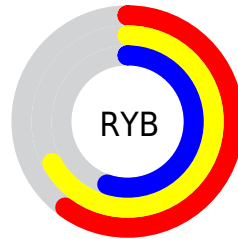
Distribution



Red (67%)

Green (63%)

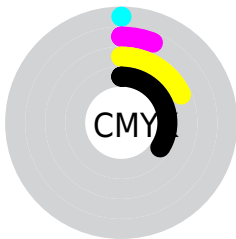
Blue (55%)



Red (60%)

Yellow (67%)

Blue (55%)

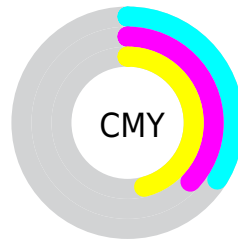


Cyan (0%)

Magenta (6%)

Yellow (18%)

Black (34%)



Cyan (34%)

Magenta (37%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 12.259, 89.711 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, 12.259, 89.711 by changing the saturation by 10% instead.

■ 66, 12.259, 89.711

■ 66, 12.259, 89.711

■ 100, 12.259,
89.711

■ 56, 12.259, 89.711

■ 86, 12.259, 89.711

■ 46, 12.259, 89.711

■ 96, 12.259, 89.711

■ 36, 12.259, 89.711

■ 26, 12.259, 89.711

■ 16, 12.259, 89.711

■ 6, 12.259, 89.711

■ 0, 12.259, 89.711

■ 66, 12.259, 89.711

■ 66, 12.259, 89.711

■ 64, 19.150, 88.435

■ 68, 5.493, 90.950

62, 26.135, 87.109

70, 1.143, 272.374

61, 33.157, 85.742

72, 7.649, 273.379

59, 40.094, 84.329

74, 14.030,
274.476

57, 46.726, 82.846

76, 20.294,
275.529

56, 52.668, 81.237

54, 57.335, 79.396

78, 26.451,
276.532

53, 60.339, 77.229

80, 31.393,
276.731

53, 60.848, 76.865

81, 29.000,
271.453

82, 26.887,
265.349

Harmonies

Complementary

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



66, 12.259, 89.711



61, 12.243, 274.504

Rectangle

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



66, 12.259, 89.711



66, 12.259, 139.711



66, 12.259, 269.711



66, 12.259, 319.711

Sweetspot

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



66, 12.260, 89.720



86, 4.076, 91.315



61, 13.498, 355.456



45, 2.779, 91.241



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



66, 12.260, 89.720



82, 18.271, 89.197



68, 17.038, 115.405



35, 3.738, 90.830



46, 55.062, 77.199



4, 6.283, 85.522

Inverse Universe

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



61, 12.243, 274.504



76, 18.235, 275.166



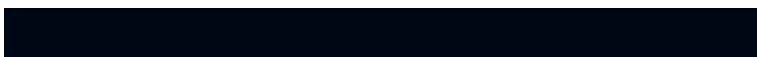
59, 17.721, 298.163



33, 3.742, 273.204



24, 65.087, 296.557



2, 7.120, 275.339

Previews

White Background



This preview shows how the CIELCh color 66, 12.259, 89.711 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 CIELCh color 66, 12.259, 89.711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

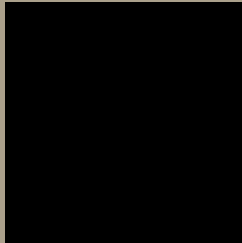
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 12.259, 89.711

Background



This preview shows how black text looks on a background with the CIELCh color 66, 12.259, 89.711.



This preview shows how white text looks on a background with the CIELCh color 66, 12.259, 89.711.

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, 12.259, 89.711

Protanopia

66, 12.014, 93.374

Deuteranopia

66, 14.205, 53.015



Tritanopia
66, 9.962, 334.060

Trichromacy



Original Color
66, 12.259, 89.711

Protanomaly
66, 12.130, 91.525

Deuteranomaly
66, 13.025, 65.746

Tritanomaly
66, 5.829, 19.863

Monochromacy



Original Color
66, 12.259, 89.711

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 4.558, 94.847

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 12.259, 89.711 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(170, 160, 139)` looks like.

```
.text, #text, p{  
    color:rgb(170, 160, 139)  
}
```

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(170, 160, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 160, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 12.259, 89.711 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(170, 160, 139) }
```

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

```
.border{ border-color:rgb(170, 160, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 160, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 160, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 160, 139); box-shadow:4px 4px 4px 4px rgb(170, 160, 139) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 12.259, 89.711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 160, 139) }
```

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

```
.background{ background-color: rgb(170,  
160, 139) }
```

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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