

Converting Colors

CIELCh(48, 6.080, 199.995)

Have a look what the booklet for
CIELCh(48, 6.080, 199.995) contains.

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Color

CIELCh(48, 6.245, 198.765)

Conversions

Conversions Part 1

Format	Color
Hex	657575
RGB	101, 117, 117
RGB Percent	40%, 46%, 46%
CMY	0.6037, 0.5409, 0.5409
CMYK	0.14, 0.00, 0.00, 0.54
HSL	180°, 7%, 43%
HSV	180°, 14%, 46%
XYZ	14.9580, 16.7945, 19.3034
YIQ	112.2160, -9.5360, -3.3920

Conversions

Conversions Part 2

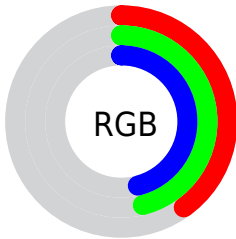
Format	Color
R_{YB}	101, 109, 117
Decimal	6649205
CIE Lab	48.00, -5.91, -2.01
CIE LCh	48, 6.245, 198.765
Yxy	16.7945, 0.2930, 0.3289
Android (android.graphics.Color)	4284839285 (0xFF657575)
YUV	112.2160, 2.3585, -9.8364
Hunter-Lab	40.9810, -6.5646, 0.7593

Details

The CIELCh color $48, 6.245, 198.765$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $44, 6.786, 20.208$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 6.258, 198.945$, and $28, 6.297, 198.434$ is the 20% darker color. If you saturate the color by 10%, you get $47, 10.504, 198.262$, and if you desaturate by 10%, it is $49, 1.716, 199.420$.

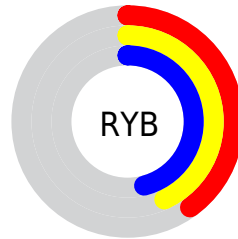
Distribution



Red (40%)

Green (46%)

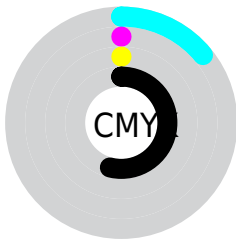
Blue (46%)



Red (40%)

Yellow (43%)

Blue (46%)

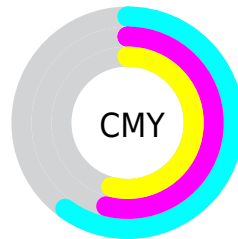


Cyan (14%)

Magenta (0%)

Yellow (0%)

Black (54%)



Cyan (60%)

Magenta (54%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 6.245, 198.765 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 48, 6.245, 198.765 by changing the saturation by 10% instead.

■ 48, 6.245, 198.765

■ 48, 6.245, 198.765

■ 100, 6.245,
198.765

■ 38, 6.245, 198.765

■ 68, 6.245, 198.765

■ 28, 6.245, 198.765

■ 78, 6.245, 198.765

■ 18, 6.245, 198.765

■ 88, 6.245, 198.765

■ 8, 6.245, 198.765

■ 98, 6.245, 198.765

■ 0, 6.245, 198.765

■ 48, 6.245, 198.765

■ 48, 6.245, 198.765

■ 47, 10.504,
198.262

■ 49, 1.716, 199.420

■ 46, 14.422,

■ 50, 3.021, 19.617

197.827

51, 7.908, 20.254

46, 17.931,
197.446

52, 12.896, 20.851

45, 20.969,
197.122

53, 17.944, 21.449

45, 23.484,
196.858

55, 23.020, 22.050

45, 25.446,
196.654

58, 33.157, 23.247

44, 26.849,
196.509

59, 38.183, 23.837

44, 27.733,
196.418

44, 28.199,
196.370

Harmonies

Complementary

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



48, 6.245, 198.765



44, 6.786, 20.208

Rectangle

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



48, 6.245, 198.765



48, 6.245, 248.765



48, 6.245, 18.765



48, 6.245, 68.765

Sweetspot

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



48, 6.246, 198.755



63, 2.328, 199.374



48, 11.486, 143.243



32, 1.642, 199.316



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



48, 6.246, 198.755



61, 9.035, 198.613



46, 5.554, 255.357



24, 2.606, 199.015



46, 29.113, 196.370



89, 49.358, 196.369

Inverse Universe

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



44, 6.786, 20.208



56, 9.993, 20.428



46, 5.756, 71.989



23, 2.751, 19.855



24, 59.039, 37.984



52, 102.982, 39.997

Previews

White Background



This preview shows how the CIELCh color 48, 6.245, 198.765 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 48, 6.245, 198.765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

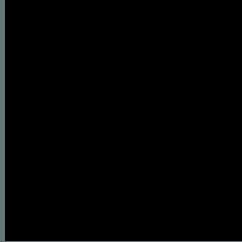
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

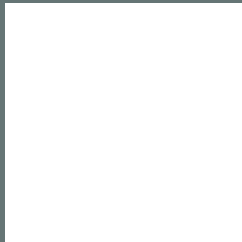
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 6.245, 198.765

Background



This preview shows how black text looks on a background with the CIELCh color 48, 6.245, 198.765.



This preview shows how white text looks on a background with the CIELCh color 48, 6.245, 198.765.

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

48, 6.245, 198.765

Protanopia

48, 1.443, 324.413

Deuteranopia

48, 7.096, 338.640



Tritanopia
48, 7.154, 247.097

Trichromacy



Original Color
48, 6.245, 198.765

Protanomaly
48, 1.970, 236.276

Deuteranomaly
48, 3.071, 305.680

Tritanomaly
48, 6.358, 232.887

Monochromacy



Original Color
48, 6.245, 198.765

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 2.401, 199.282

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 6.245, 198.765 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(101, 117, 117)` looks like.

```
.text, #text, p{  
    color:rgb(101, 117, 117)  
}
```

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(101, 117, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 117, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 6.245, 198.765 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(101, 117, 117) }
```

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

```
.border{ border-color:rgb(101, 117, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 117, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 117, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 117, 117); box-shadow:4px 4px 4px 4px rgb(101, 117, 117) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 6.245, 198.765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 117, 117) }
```

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

```
.background{ background-color: rgb(101,  
117, 117) }
```

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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