

Converting Colors

CIELCh(91, 4.685, 60.966)

Have a look what the booklet for
CIELCh(91, 4.685, 60.966) contains.

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Color

CIELCh(91, 4.758, 60.102)

Conversions

Conversions Part 1

Format	Color
Hex	EDE3DD
RGB	237, 227, 221
RGB Percent	93%, 89%, 87%
CMY	0.0689, 0.1082, 0.1317
CMYK	0.00, 0.04, 0.07, 0.07
HSL	23°, 31%, 90%
HSV	23°, 7%, 93%
XYZ	75.7528, 78.4833, 79.8502
YIQ	229.3060, 7.8860, 0.2540

Conversions

Conversions Part 2

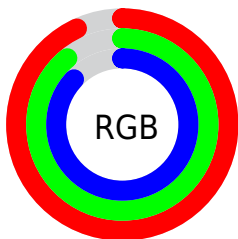
Format	Color
R _Y B	237, 231, 221
Decimal	15590365
CIE Lab	91.00, 2.37, 4.12
CIE LCh	91, 4.758, 60.102
Yxy	78.4833, 0.3236, 0.3353
Android (android.graphics.Color)	4293780445 (0xFFE3DD)
YUV	229.3060, -4.0949, 6.7476
Hunter-Lab	88.5908, -2.4011, 8.5733

Details

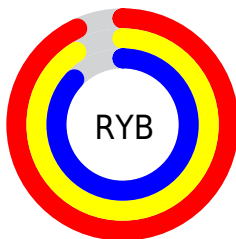
The CIELCh color `91, 4.758, 60.102` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `91, 4.628, 241.677`, and the grayscale version is `91, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `71, 4.741, 62.978` is the 20% darker color. If you saturate the color by 10%, you get `87, 12.220, 59.269`, and if you desaturate by 10%, it is `95, 2.238, 241.428`.

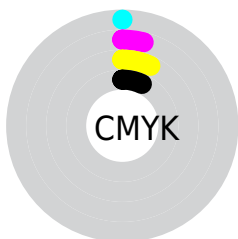
Distribution



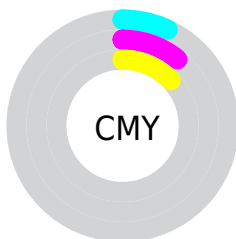
- Red (93%)
- Green (89%)
- Blue (87%)



- Red (93%)
- Yellow (91%)
- Blue (87%)



- Cyan (0%)
- Magenta (4%)
- Yellow (7%)
- Black (7%)







- Cyan (7%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 4.758, 60.102 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 91, 4.758, 60.102 by changing the saturation by 10% instead.

 91, 4.758, 60.102	 91, 4.758, 60.102
 100, 4.758, 60.102	 81, 4.758, 60.102
	 71, 4.758, 60.102
	 61, 4.758, 60.102
	 51, 4.758, 60.102
	 41, 4.758, 60.102
	 31, 4.758, 60.102
	 21, 4.758, 60.102
	 11, 4.758, 60.102
	 1, 4.758, 60.102

91, 4.758, 60.102

91, 4.758, 60.102

87, 12.220, 59.269

95, 2.238, 241.428

83, 20.198, 58.387

99, 6.036, 199.133

79, 28.732, 57.543

75, 37.837, 56.754

71, 47.482, 56.023

67, 57.529, 55.319

64, 67.629, 54.544

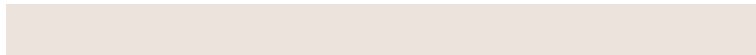
61, 77.013, 53.454

58, 84.344, 51.594

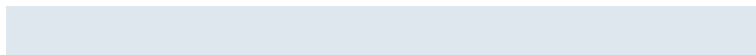
Harmonies

Complementary

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



91, 4.758, 60.102



91, 4.628, 241.677

Rectangle

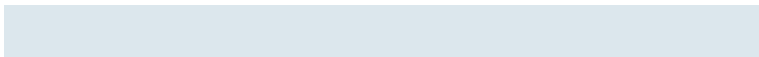
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91, 4.758, 60.102



91, 4.758, 110.102



91, 4.758, 240.102



91, 4.758, 290.102

Sweetspot

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



91, 4.758, 60.134



99, 1.469, 60.315



90, 7.814, 337.552



53, 0.835, 60.305



0, 0.000, 0.000



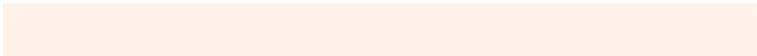
53, 0.007, 296.813

Same Dimension

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



91, 4.758, 60.134



96, 6.009, 60.031



93, 7.163, 103.389



48, 4.079, 59.909



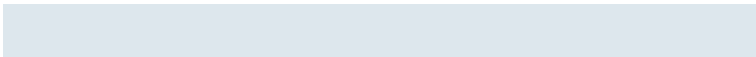
45, 70.874, 51.573



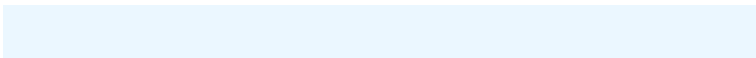
12, 24.004, 48.686

Inverse Universe

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



91, 4.628, 241.677



97, 5.807, 241.802



89, 7.254, 284.904



48, 3.914, 241.952



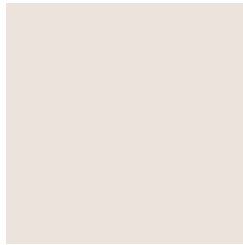
46, 43.807, 268.760



13, 17.353, 260.282

Previews

White Background



This preview shows how the CIELCh color 91, 4.758, 60.102 looks on a white background.

Color Contrast Check

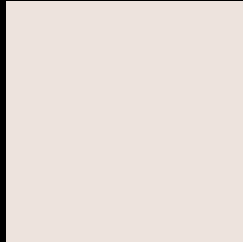
Large Text (above 18pt) WCAG AA × Fail

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 91, 4.758, 60.102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

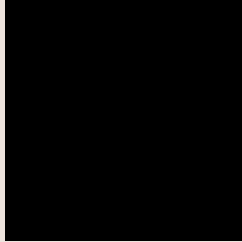
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

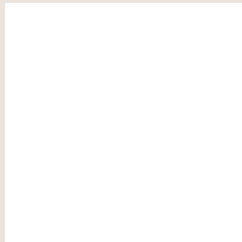
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 4.758, 60.102

Background



This preview shows how black text looks on a background with the CIELCh color 91, 4.758, 60.102.

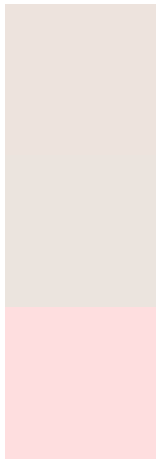


This preview shows how white text looks on a background with the CIELCh color 91, 4.758, 60.102.

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

91, 4.758, 60.102

Protanopia

91, 3.985, 70.386

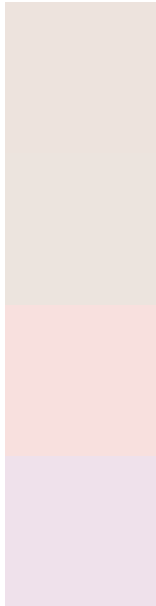
Deuteranopia

91, 11.741, 17.688



Tritanopia
91, 10.962, 321.734

Trichromacy



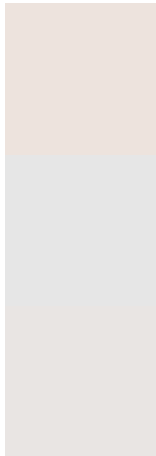
Original Color
91, 4.758, 60.102

Protanomaly
91, 4.224, 66.550

Deuteranomaly
91, 8.836, 26.641

Tritanomaly
91, 7.229, 334.056

Monochromacy



Original Color
91, 4.758, 60.102

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 1.754, 55.182

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 4.758, 60.102 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(237, 227, 221)` looks like.

```
.text, #text, p{  
    color:rgb(237, 227, 221)  
}
```

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(237, 227, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 227, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 4.758, 60.102 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(237, 227, 221) }
```

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

```
.border{ border-color:rgb(237, 227, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 227, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 227, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 227, 221); box-shadow:4px 4px 4px 4px rgb(237, 227, 221) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 4.758, 60.102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 227, 221) }
```

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

```
.background{ background-color: rgb(237,  
227, 221) }
```

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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