Converting Colors

CIELCh(100, 44.846, 61.443)

Have a look what the booklet for CIELCh(100, 44.846, 61.443) contains.

CIELCh(94, 30.829, 95.350) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 11
- ***Previews*** 20
- ***Color Blindness Simulation*** 23
- ***CSS Examples*** 26

Color

CIELCh(94, 30.829, 95.350)

Conversions

Conversions Part 1

Format	Color
Hex	FFEEB3
RGB	255, 238, 179
RGB Percent	100%, 93%, 70%
CMY	0.0019, 0.0685, 0.2998
CMYK	0.00, 0.07, 0.30, 0.00
HSL	47°, 99%, 85%
HSV	47°, 30%, 100%
XYZ	79.5829, 85.2715, 54.6685
YIQ	236.3570, 29.0710, -14.7450

Conversions

Conversions Part 2

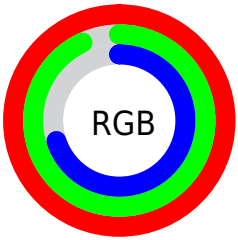
Format	Color
RYB	201, 255, 179
Decimal	16772787
CIELab	94.00, -2.87, 30.69
CIELCh	94, 30.829, 95.350
Yxy	85.2715, 0.3625, 0.3884
Android (android.graphics.Color)	4294962867 (0xFFFFEEB3)
YUV	236.3570, -28.2770, 16.3499
Hunter-Lab	92.3426, -7.7643, 29.5390

Details

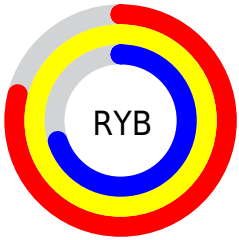
The CIELCh color 94, 30.829, 95.350 is a light color, and the websafe version is hex FFFFCC. A complement of this color would be 80, 31.737, 283.299, and the grayscale version is 93, 0.011, 296.813.

A 20% lighter version of the original color is 100, 10.124, 109.411, and 74, 30.608, 95.455 is the 20% darker color. If you saturate the color by 10%, you get 92, 41.202, 94.089, and if you desaturate by 10%, it is 96, 20.431, 96.591.

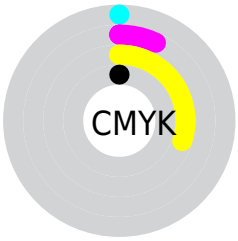
Distribution



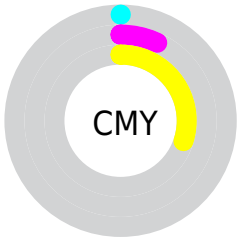
- Red (100%)
- Green (93%)
- Blue (70%)



- Red (79%)
- Yellow (100%)
- Blue (70%)



- Cyan (0%)
- Magenta (7%)
- Yellow (30%)
- Black (0%)



- Cyan (0%)
- Magenta (7%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 94, 30.829, 95.350 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 94, 30.829, 95.350 by changing the saturation by 10% instead.

94, 30.829, 95.350

100, 30.829, 95.350

94, 30.829, 95.350

84, 30.829, 95.350

74, 30.829, 95.350

64, 30.829, 95.350

54, 30.829, 95.350

44, 30.829, 95.350

34, 30.829, 95.350

24, 30.829, 95.350

14, 30.829, 95.350

4, 30.829, 95.350

94, 30.829, 95.350

92, 41.202, 94.089

90, 51.397, 92.799

89, 61.153, 91.485

87, 70.024, 90.137

86, 77.328, 88.725

84, 82.212, 87.181

83, 84.325, 85.436

83, 84.350, 85.409

94, 30.829, 95.350

96, 20.431, 96.591

98, 10.085, 97.786

100, 0.167, 280.200

100, 0.171, 203.263

Harmonies

Complementary

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

94, 30.829, 95.350

80, 31.737, 283.299

Rectangle

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

94, 30.829, 95.350

94, 30.829, 145.350

94, 30.829, 275.350

94, 30.829, 325.350

Sweetspot

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

94, 30.830, 95.355

98, 9.226, 97.884

80, 30.144, 4.128

52, 6.417, 97.715

0, 0.000, 0.000

53, 0.007, 296.813

Same Dimension

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

94, 30.830, 95.355

93, 37.281, 94.579

97, 38.989, 118.697

52, 5.830, 97.826

64, 68.140, 85.754

21, 29.973, 88.013

Inverse Universe

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

80, 31.737, 283.299

76, 38.691, 284.475

77, 41.529, 302.736

50, 5.888, 280.143

28, 91.992, 301.695

6, 36.749, 296.863

Previews

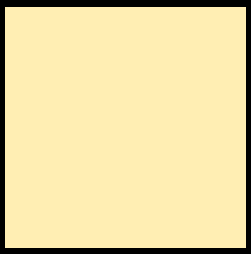
White Background

This preview shows how the CIELCh color 94, 30.829, 95.350 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



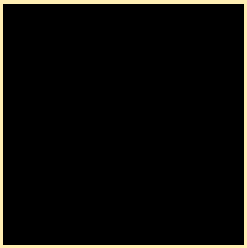
This preview shows how the CIELCh color 94, 30.829, 95.350 looks on a black background.

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 94, 30.829, 95.350 Background



This preview shows how black text looks on a background with the CIELCh color 94, 30.829, 95.350.

This preview shows how white text looks on a background with the CIELCh color 94, 30.829, 95.350.

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
94, 30.829, 95.350

Protanopia
94, 30.450, 94.466

Deuteranopia
94, 11.304, 66.111

Tritanopia
94, 10.269, 343.197

Trichromacy

Original Color
94, 30.829, 95.350

Protanomaly
94, 30.450, 94.466

Deuteranomaly
94, 17.617, 83.514

Tritanomaly
94, 10.561, 62.441

Monochromacy

Original Color
94, 30.829, 95.350

Achromatopsia
93, 0.011, 296.813

Achromatomaly
94, 11.487, 98.182

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 94, 30.829, 95.350 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(255, 238, 179) looks like.

```
.text, #text, p{
    color:rgb(255, 238, 179)
}
```

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(255, 238, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 94, 30.829, 95.350 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(255, 238, 179) }
```

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

```
.border{ border-color:rgb(255, 238, 179) }
```

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

Here you see how a box with a 4 pixel rgb(255, 238, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 238, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 238, 179); box-shadow:4px 4px 4px 4px rgb(255, 238, 179) }
```

Background

The CSS property to change the background color of an element to CIELCh 94, 30.829, 95.350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(255, 238, 179) }
```

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

```
.background{ background-color:rgb(255,
238, 179) }
```

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.

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

Learn more, Memberships starting at $2.50/m!

Follow me on Twitter!

@ConvertingColor