

Converting Colors

CIELCh(30, 40.782, 21.179)

Have a look what the booklet for
CIELCh(30, 40.782, 21.179) contains.

CIELCh(30, 40.913, 21.005)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(30, 40.913, 21.005)

Conversions

Conversions Part 1

Format	Color
Hex	7F2832
RGB	127, 40, 50
RGB Percent	50%, 16%, 20%
CMY	0.5026, 0.8437, 0.8044
CMYK	0.00, 0.69, 0.61, 0.50
HSL	353°, 52%, 33%
HSV	353°, 69%, 50%
XYZ	10.0544, 6.2359, 3.6769
YIQ	67.1530, 48.6420, 21.5540

Conversions

Conversions Part 2

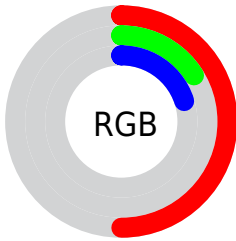
Format	Color
RYB	127, 40, 50
Decimal	8333362
CIELab	30.00, 38.19, 14.67
CIElCh	30, 40.913, 21.005
Yxy	6.2359, 0.5035, 0.3123
Android (android.graphics.Color)	4286523442 (0xFF7F2832)
YUV	67.1530, -8.4564, 52.4858
Hunter-Lab	24.9718, 28.1691, 8.7504

Details

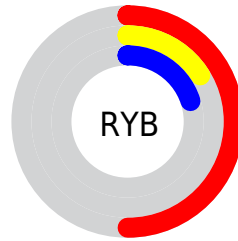
The CIELCh color **30, 40.913, 21.005** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **48, 28.039, 184.238**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 40.771, 21.263**, and **12, 36.544, 27.761** is the 20% darker color. If you saturate the color by 10%, you get **28, 46.724, 24.512**, and if you desaturate by 10%, it is **33, 34.733, 18.179**.

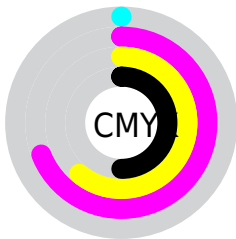
Distribution



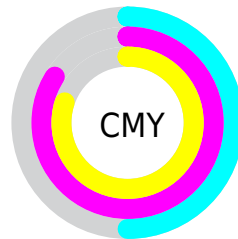
- Red (50%)
- Green (16%)
- Blue (20%)



- Red (50%)
- Yellow (16%)
- Blue (20%)



- Cyan (0%)
- Magenta (69%)
- Yellow (61%)
- Black (50%)



- Cyan (50%)
- Magenta (84%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 40.913, 21.005 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 30, 40.913, 21.005 by changing the saturation by 10% instead.

■ 30, 40.913, 21.005

■ 30, 40.913, 21.005

■ 100, 40.913,
21.005

■ 20, 40.913, 21.005

■ 50, 40.913, 21.005

■ 10, 40.913, 21.005

■ 60, 40.913, 21.005

■ 0, 40.913, 21.005

■ 70, 40.913, 21.005

■ 80, 40.913, 21.005

■ 90, 40.913, 21.005

■ 30, 40.913, 21.005

■ 30, 40.913, 21.005

■ 28, 46.724, 24.512

■ 33, 34.733, 18.179

■ 26, 52.004, 28.673

■ 36, 28.391, 15.933

■ 25, 56.820, 32.892

■ 39, 22.079, 14.147

■ 25, 57.480, 33.345

■ 42, 15.941, 12.713

■ 46, 10.069, 11.539

■ 50, 4.510, 10.535

■ 54, 0.722, 190.345

■ 58, 5.637, 189.202

■ 62, 10.253,
188.584

Harmonies

Complementary

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



30, 40.913, 21.005



48, 28.039, 184.238

Rectangle

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



30, 40.913, 21.005



30, 40.913, 71.005



30, 40.913, 201.005



30, 40.913, 251.005

Sweetspot

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



30, 40.911, 21.007



58, 14.289, 11.860



31, 56.738, 323.939



29, 9.812, 12.124



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



30, 40.911, 21.007



36, 60.341, 26.681



37, 35.262, 56.148



25, 2.981, 10.586



26, 57.719, 33.380



0, 0.000, 0.000

Inverse Universe

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



30, 40.911, 21.007



36, 60.341, 26.681



38, 24.755, 255.114



25, 2.981, 10.586



26, 57.719, 33.380



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 30, 40.913, 21.005 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 30, 40.913, 21.005 looks on a black 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

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

CIELCh 30, 40.913, 21.005

Background



This preview shows how black text looks on a background with the CIELCh color 30, 40.913, 21.005.



This preview shows how white text looks on a background with the CIELCh color 30, 40.913, 21.005.

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

30, 40.913, 21.005

Protanopia

31, 5.259, 94.069

Deuteranopia

31, 17.312, 76.016



Tritanopia
30, 41.921, 27.350

Trichromacy



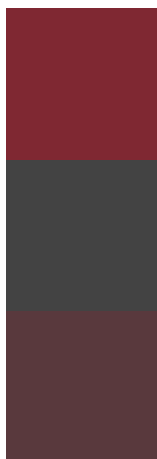
Original Color
30, 40.913, 21.005

Protanomaly
29, 16.324, 24.554

Deuteranomaly
29, 23.182, 40.179

Tritanomaly
30, 41.487, 25.734

Monochromacy



Original Color
30, 40.913, 21.005

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 15.223, 12.771

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 40.913, 21.005 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(127, 40, 50)` looks like.

```
.text, #text, p{  
    color:rgb(127, 40, 50)  
}
```

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(127, 40, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 40, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 40.913, 21.005 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(127, 40, 50) }
```

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

```
.border{ border-color:rgb(127, 40, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 40, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 40, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 40, 50);  
box-shadow:4px 4px 4px 4px rgb(127, 40,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 40.913, 21.005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 40, 50) }
```

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

```
.background{ background-color: rgb(127, 40,  
50) }
```

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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