

Converting Colors

CIELCh(30, 12.009, 332.228)

Have a look what the booklet for
CIELCh(30, 12.009, 332.228)
contains.

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Color

CIELCh(30, 11.875, 332.583)

Conversions

Conversions Part 1

Format	Color
Hex	53414F
RGB	83, 65, 79
RGB Percent	33%, 25%, 31%
CMY	0.6733, 0.7439, 0.6890
CMYK	0.00, 0.22, 0.05, 0.67
HSL	313°, 12%, 29%
HSV	313°, 22%, 33%
XYZ	6.9235, 6.2359, 8.2933
YIQ	71.9780, 6.2340, 8.1700

Conversions

Conversions Part 2

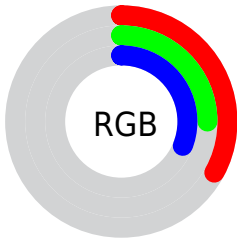
Format	Color
R_{YB}	83, 65, 79
Decimal	5456207
CIE _{Lab}	30.00, 10.54, -5.47
CIE _{LCh}	30, 11.875, 332.583
Yxy	6.2359, 0.3227, 0.2907
Android (android.graphics.Color)	4283646287 (0xFF53414F)
YUV	71.9780, 3.4618, 9.6663
Hunter-Lab	24.9718, 5.7890, -2.2102

Details

The CIELCh color **30, 11.875, 332.583** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **34, 11.818, 149.927**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 11.879, 333.273**, and **10, 12.232, 332.182** is the 20% darker color. If you saturate the color by 10%, you get **28, 17.373, 333.215**, and if you desaturate by 10%, it is **32, 6.353, 331.968**.

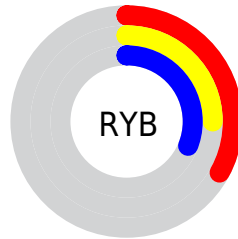
Distribution



 Red (33%)

 Green (25%)

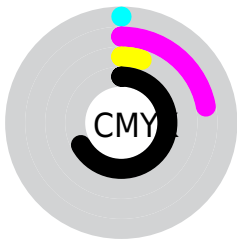
 Blue (31%)



 Red (33%)

 Yellow (25%)

 Blue (31%)

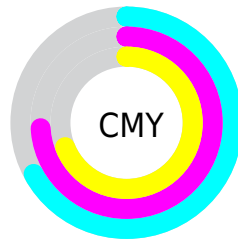


 Cyan (0%)

 Magenta (22%)

 Yellow (5%)

 Black (67%)



 Cyan (67%)


 Magenta (74%)


 Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 11.875, 332.583 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, 11.875, 332.583 by changing the saturation by 10% instead.


 30, 11.875,
332.583


 30, 11.875,
332.583

 100, 11.875,
332.583


 20, 11.875,
332.583


 50, 11.875,
332.583


 10, 11.875,
332.583

 60, 11.875,
332.583

 0, 11.875, 332.583

 70, 11.875,
332.583

 80, 11.875,
332.583

 90, 11.875,
332.583

■ 30, 11.875,
332.583

■ 30, 11.875,
332.583

■ 28, 17.373,
333.215

■ 32, 6.353, 331.968

■ 25, 22.748,
333.869

■ 35, 0.883, 331.225

■ 38, 4.491, 150.897

■ 23, 27.858,
334.549

■ 40, 9.742, 150.346

■ 21, 32.523,
335.260

■ 43, 14.854,
149.835

■ 20, 36.538,
336.016

■ 46, 19.823,
149.351

■ 18, 39.694,
336.833

■ 48, 24.648,
148.893

■ 17, 41.911,
337.726

■ 51, 29.334,
148.460

■ 17, 43.723,

■ 54, 33.887,

338.447

148.050

Harmonies

Complementary

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



30, 11.875, 332.583



34, 11.818, 149.927

Rectangle

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



30, 11.875, 332.583



30, 11.875, 22.583



30, 11.875, 152.583



30, 11.875, 202.583

Sweetspot

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



30, 11.874, 332.584



43, 4.023, 331.627



29, 11.782, 300.104



21, 2.638, 331.646



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



30, 11.874, 332.584



37, 17.586, 332.912



30, 8.735, 359.124



15, 2.998, 331.787



22, 50.971, 338.829



52, 90.437, 339.755

Inverse Universe

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



30, 11.874, 332.584



37, 17.586, 332.912



34, 8.222, 175.278



15, 2.998, 331.787



22, 50.971, 338.829



52, 90.437, 339.755

Previews

White Background



This preview shows how the CIELCh color 30, 11.875, 332.583 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 CIELCh color 30, 11.875, 332.583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

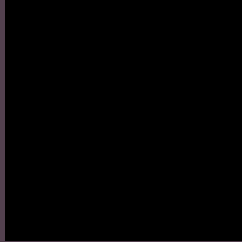
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 11.875, 332.583

Background



This preview shows how black text looks on a background with the CIELCh color 30, 11.875, 332.583.



This preview shows how white text looks on a background with the CIELCh color 30, 11.875, 332.583.

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, 11.875, 332.583

Protanopia

30, 7.692, 288.537

Deuteranopia

30, 6.782, 309.577



Tritanopia
30, 7.422, 355.305

Trichromacy



Original Color
30, 11.875, 332.583

Protanomaly
30, 8.755, 308.405

Deuteranomaly
30, 8.068, 319.904

Tritanomaly
30, 9.100, 341.857

Monochromacy



Original Color
30, 11.875, 332.583

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 4.151, 329.783

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 11.875, 332.583 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(83, 65, 79)` looks like.

```
.text, #text, p{  
    color:rgb(83, 65, 79)  
}
```

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(83, 65, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 65, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 11.875, 332.583 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(83, 65, 79) }
```

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

```
.border{ border-color:rgb(83, 65, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 65, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 65, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 65, 79);  
box-shadow:4px 4px 4px 4px rgb(83, 65, 79)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 11.875, 332.583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 65, 79) }
```

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

```
.background{ background-color: rgb(83, 65,  
79) }
```

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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