

Converting Colors

CIELCh(12, 54.653, 309.700)

Have a look what the booklet for
CIELCh(12, 54.653, 309.700)
contains.

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Color

CIELCh(12, 54.706, 309.745)

Conversions

Conversions Part 1

Format	Color
Hex	28095B
RGB	40, 9, 91
RGB Percent	16%, 4%, 36%
CMY	0.8428, 0.9644, 0.6428
CMYK	0.56, 0.90, 0.00, 0.64
HSL	263°, 82%, 20%
HSV	263°, 90%, 36%
XYZ	2.8683, 1.4064, 10.0346
YIQ	27.6170, -7.8460, 32.0740

Conversions

Conversions Part 2

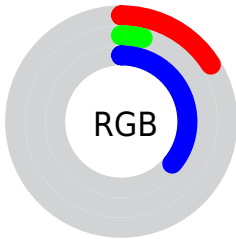
Format	Color
R_{YB}	40, 9, 91
Decimal	2623835
CIE _{Lab}	12.00, 34.98, -42.06
CIE _{LCh}	12, 54.706, 309.745
Yxy	1.4064, 0.2004, 0.0983
Android (android.graphics.Color)	4280813915 (0xFF28095B)
YUV	27.6170, 31.2478, 10.8599
Hunter-Lab	11.8591, 22.4192, -41.8670




Details

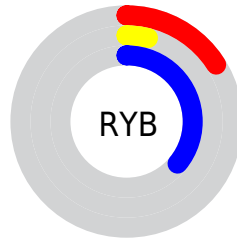
The CIELCh color **12, 54.706, 309.745** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **35, 45.878, 122.044**, and the grayscale version is **10, 0.003, 296.813**.




A 20% lighter version of the original color is **32, 54.635, 309.681**, and **2, 26.761, 292.733** is the 20% darker color. If you saturate the color by 10%, you get **10, 59.834, 310.238**, and if you desaturate by 10%, it is **14, 49.695, 309.457**.

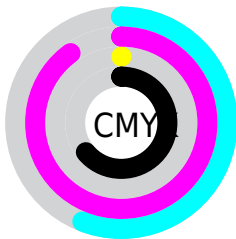
Distribution







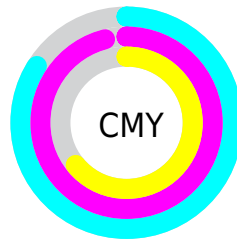
-  Red (16%)
-  Green (4%)
-  Blue (36%)






-  Red (16%)
-  Yellow (4%)
-  Blue (36%)



-  Cyan (56%)
-  Magenta (90%)
-  Yellow (0%)
-  Black (64%)



-  Cyan (84%)
-  Magenta (96%)
-  Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 54.706, 309.745 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 12, 54.706, 309.745 by changing the saturation by 10% instead.

■ 12, 54.706,
309.745

■ 12, 54.706,
309.745

■ 100, 54.706,
309.745

■ 2, 54.706, 309.745

■ 32, 54.706,
309.745

■ 0, 54.706, 309.745

■ 42, 54.706,
309.745


■ 52, 54.706,
309.745


■ 62, 54.706,
309.745


■ 72, 54.706,
309.745


■ 82, 54.706,

309.745


 92, 54.706,
309.745


 12, 54.706,
309.745


 12, 54.706,
309.745


 10, 59.834,
310.238

 14, 49.695,
309.457

 17, 43.836,
308.944

 20, 37.524,
308.309

 23, 31.042,
307.630

 26, 24.561,
306.956

■ 29, 18.181,
306.315

■ 32, 11.953,
305.721

■ 35, 5.898, 305.180

■ 39, 0.026, 303.052

Harmonies

Complementary

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



12, 54.706, 309.745



35, 45.878, 122.044

Rectangle

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



12, 54.706, 309.745



12, 54.706, 359.745



12, 54.706, 129.745



12, 54.706, 179.745

Sweetspot

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



12, 54.706, 309.746



39, 20.070, 306.179



24, 22.886, 259.694



18, 13.425, 306.300



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



12, 54.706, 309.746



15, 71.768, 309.909



19, 51.998, 323.486



17, 3.308, 305.119



13, 68.342, 309.989



35, 121.388, 309.326

Inverse Universe

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



19, 40.324, 347.152



25, 50.121, 349.821



33, 52.310, 135.371



17, 2.964, 338.185



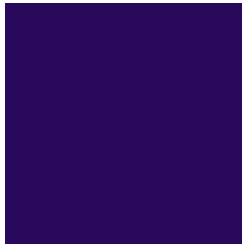
23, 47.839, 349.602



52, 83.329, 351.544

Previews

White Background



This preview shows how the CIELCh color 12, 54.706, 309.745 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 12, 54.706, 309.745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

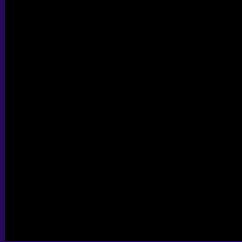
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 54.706, 309.745

Background



This preview shows how black text looks on a background with the CIELCh color 12, 54.706, 309.745.



This preview shows how white text looks on a background with the CIELCh color 12, 54.706, 309.745.

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


12, 54.706, 309.745

Protanopia

13, 26.349, 280.581

Deuteranopia

13, 18.951, 265.425



Tritanopia
13, 6.713, 216.887

Trichromacy



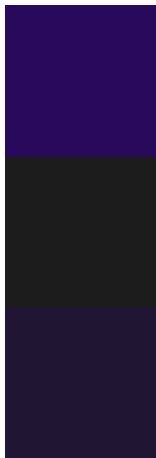
Original Color
12, 54.706, 309.745

Protanomaly
11, 38.128, 297.376

Deuteranomaly
11, 32.548, 294.371

Tritanomaly
11, 23.325, 298.595

Monochromacy



Original Color
12, 54.706, 309.745

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 22.547, 307.504

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 54.706, 309.745 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(40, 9, 91)` looks like.

```
.text, #text, p{  
    color:rgb(40, 9, 91)  
}
```

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(40, 9, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 9, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 54.706, 309.745 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(40, 9, 91) }
```

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

```
.border{ border-color:rgb(40, 9, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 9, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 9, 91); -webkit-box-shadow:4px  
4px 4px 4px rgb(40, 9, 91); box-shadow:4px  
4px 4px 4px rgb(40, 9, 91) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 54.706, 309.745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 9, 91) }
```

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

```
.background{ background-color: rgb(40, 9,  
91) }
```

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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