

Converting Colors

CIELCh(21, 57.957, 19.524)

Have a look what the booklet for
CIELCh(21, 57.957, 19.524) contains.

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Color

CIELCh(24, 51.341, 25.655)

Conversions

Conversions Part 1

Format	Color
Hex	78011B
RGB	120, 1, 27
RGB Percent	47%, 0%, 11%
CMY	0.5295, 0.9944, 0.8954
CMYK	0.00, 0.99, 0.78, 0.53
HSL	347°, 98%, 24%
HSV	347°, 99%, 47%
XYZ	7.9531, 4.1002, 1.3895
YIQ	39.5450, 62.5780, 33.3140

Conversions

Conversions Part 2

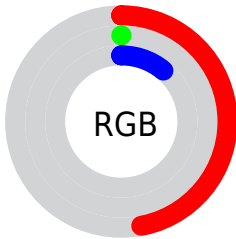
Format	Color
RYB	120, 1, 27
Decimal	7864603
CIELab	24.00, 46.28, 22.23
CIElCh	24, 51.341, 25.655
Yxy	4.1002, 0.5916, 0.3050
Android (android.graphics.Color)	4286054683 (0xFF78011B)
YUV	39.5450, -6.1847, 70.5590
Hunter-Lab	20.2490, 34.6729, 10.1057

Details

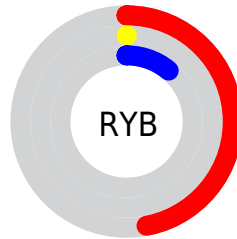
The CIELCh color **24, 51.341, 25.655** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **45, 35.635, 170.509**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 51.581, 25.296**, and **10, 33.482, 27.273** is the 20% darker color. If you saturate the color by 10%, you get **24, 51.828, 26.147**, and if you desaturate by 10%, it is **25, 47.466, 21.096**.

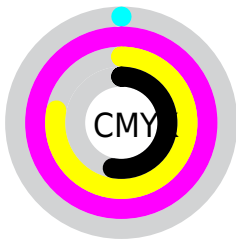
Distribution



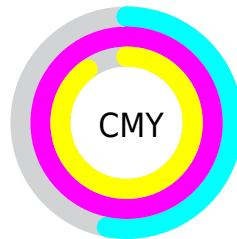
- Red (47%)
- Green (0%)
- Blue (11%)



- Red (47%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (99%)
- Yellow (78%)
- Black (53%)



- Cyan (53%)
- Magenta (99%)
- Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 51.341, 25.655 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 24, 51.341, 25.655 by changing the saturation by 10% instead.

 24, 51.341, 25.655

 24, 51.341, 25.655

 100, 51.341,
25.655

 14, 51.341, 25.655

 44, 51.341, 25.655

 4, 51.341, 25.655

 54, 51.341, 25.655

 0, 51.341, 25.655

 64, 51.341, 25.655

 74, 51.341, 25.655

 84, 51.341, 25.655

 94, 51.341, 25.655

 24, 51.341, 25.655

 24, 51.341, 25.655

24, 51.828, 26.147

25, 47.466, 21.096

26, 43.247, 16.878

28, 38.368, 13.439

31, 32.962, 10.689

34, 27.236, 8.492

37, 21.395, 6.719

40, 15.603, 5.263

44, 9.970, 4.042

47, 4.562, 2.976

Harmonies

Complementary

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



24, 51.341, 25.655



45, 35.635, 170.509

Rectangle

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



24, 51.341, 25.655



24, 51.341, 75.655



24, 51.341, 205.655



24, 51.341, 255.655

Sweetspot

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



24, 51.339, 25.657



51, 20.166, 5.522



23, 67.146, 320.427



25, 13.953, 6.005



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



24, 51.339, 25.657



32, 63.288, 27.652



27, 52.442, 47.102



24, 2.964, 3.004



25, 53.461, 26.408



53, 92.357, 29.615

Inverse Universe

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



24, 51.339, 25.657



32, 63.288, 27.652



34, 26.770, 250.436



24, 2.964, 3.004



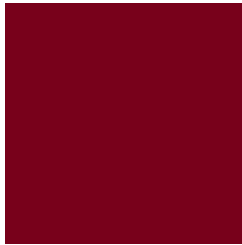
25, 53.461, 26.408



53, 92.357, 29.615

Previews

White Background



This preview shows how the CIELCh color 24, 51.341, 25.655 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 24, 51.341, 25.655 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 24, 51.341, 25.655

Background



This preview shows how black text looks on a background with the CIELCh color 24, 51.341, 25.655.



This preview shows how white text looks on a background with the CIELCh color 24, 51.341, 25.655.

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

24, 51.328, 25.365

Protanopia

26, 13.220, 96.497

Deuteranopia

26, 26.619, 83.354



Tritanopia
24, 55.620, 38.145

Trichromacy



Original Color
24, 51.328, 25.365

Protanomaly
22, 24.631, 29.564

Deuteranomaly
23, 32.634, 42.391

Tritanomaly
24, 54.151, 34.717

Monochromacy



Original Color
24, 51.328, 25.365

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 22.102, 10.737

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 51.341, 25.655 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(120, 1, 27)` looks like.

```
.text, #text, p{  
    color:rgb(120, 1, 27)  
}
```

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(120, 1, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 1, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 51.341, 25.655 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(120, 1, 27) }
```

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

```
.border{ border-color:rgb(120, 1, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 1, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 1, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 1, 27);  
box-shadow:4px 4px 4px 4px rgb(120, 1, 27)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 51.341, 25.655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 1, 27) }
```

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

```
.background{ background-color: rgb(120, 1,  
27) }
```

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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