

Converting Colors

CIELCh(39, 65.004, 22.741)

Have a look what the booklet for
CIELCh(39, 65.004, 22.741) contains.

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Color

CIELCh(39, 64.889, 22.565)

Conversions

Conversions Part 1

Format	Color
Hex	B41837
RGB	180, 24, 55
RGB Percent	71%, 9%, 22%
CMY	0.2927, 0.9076, 0.7833
CMYK	0.00, 0.87, 0.69, 0.29
HSL	348°, 77%, 40%
HSV	348°, 87%, 71%
XYZ	19.9184, 10.6589, 4.6539
YIQ	74.1780, 83.0250, 42.7130

Conversions

Conversions Part 2

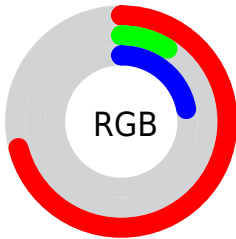
Format	Color
R_{YB}	180, 24, 55
Decimal	11802679
CIE _{Lab}	39.00, 59.92, 24.90
CIE _{LCh}	39, 64.889, 22.565
Yxy	10.6589, 0.5654, 0.3025
Android (android.graphics.Color)	4289992759 (0xFFB41837)
YUV	74.1780, -9.4548, 92.8059
Hunter-Lab	32.6480, 51.7681, 14.4020

Details

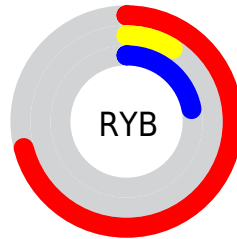
The CIELCh color **39, 64.889, 22.565** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **66, 45.432, 172.964**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 64.452, 22.565**, and **24, 54.790, 33.159** is the 20% darker color. If you saturate the color by 10%, you get **38, 69.943, 27.692**, and if you desaturate by 10%, it is **41, 58.971, 18.100**.

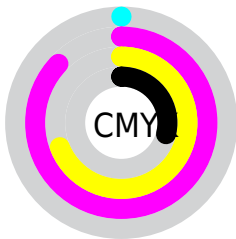
Distribution



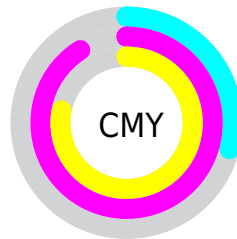
- Red (71%)
- Green (9%)
- Blue (22%)



- Red (71%)
- Yellow (9%)
- Blue (22%)



- Cyan (0%)
- Magenta (87%)
- Yellow (69%)
- Black (29%)



- Cyan (29%)
- Magenta (91%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 64.889, 22.565 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 39, 64.889, 22.565 by changing the saturation by 10% instead.

 39, 64.889, 22.565

 39, 64.889, 22.565

 100, 64.889,
22.565

 29, 64.889, 22.565

 59, 64.889, 22.565

 19, 64.889, 22.565

 69, 64.889, 22.565

 9, 64.889, 22.565

 79, 64.889, 22.565

 0, 64.889, 22.565

 89, 64.889, 22.565

 99, 64.889, 22.565

 39, 64.889, 22.565

 39, 64.889, 22.565

 38, 69.943, 27.692

 41, 58.971, 18.100

38, 71.492, 29.188

44, 52.126, 14.461

47, 44.537, 11.570

51, 36.505, 9.281

55, 28.334, 7.450

60, 20.261, 5.959

65, 12.444, 4.716

70, 4.968, 3.625

75, 2.129, 183.054

Harmonies

Complementary

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



39, 64.889, 22.565



66, 45.432, 172.964

Rectangle

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



39, 64.889, 22.565



39, 64.889, 72.565



39, 64.889, 202.565



39, 64.889, 252.565

Sweetspot

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



39, 64.886, 22.567



77, 24.189, 5.892



38, 86.802, 320.669



39, 16.504, 6.363



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



39, 64.886, 22.567



49, 87.825, 30.194



44, 64.494, 47.426



35, 4.047, 3.880



32, 62.909, 28.409



2, 9.416, 6.652

Inverse Universe

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



39, 64.886, 22.567



49, 87.825, 30.194



53, 34.361, 246.846



35, 4.047, 3.880



32, 62.909, 28.409



2, 9.416, 6.652

Previews

White Background



This preview shows how the CIELCh color 39, 64.889, 22.565 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 × Fail

Black Background



This preview shows how the CIELCh color 39, 64.889, 22.565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

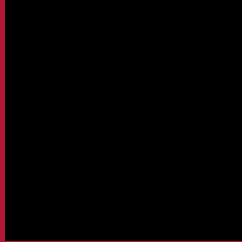
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 64.889, 22.565

Background



This preview shows how black text looks on a background with the CIELCh color 39, 64.889, 22.565.



This preview shows how white text looks on a background with the CIELCh color 39, 64.889, 22.565.

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

39, 64.737, 22.703

Protanopia

40, 8.203, 93.218

Deuteranopia

40, 28.601, 79.376



Tritanopia
39, 70.265, 35.205

Trichromacy



Original Color
39, 64.737, 22.703

Protanomaly
36, 27.793, 20.506

Deuteranomaly
37, 38.525, 38.336

Tritanomaly
39, 67.822, 30.908

Monochromacy



Original Color
39, 64.737, 22.703

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 26.788, 10.272

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 64.889, 22.565 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(180, 24, 55)` looks like.

```
.text, #text, p{  
    color:rgb(180, 24, 55)  
}
```

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(180, 24, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 24, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 64.889, 22.565 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(180, 24, 55) }
```

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

```
.border{ border-color:rgb(180, 24, 55) }
```

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

Here you see how a box with a 4 pixel rgb(180, 24, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 24, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 24, 55);  
box-shadow:4px 4px 4px 4px rgb(180, 24,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 64.889, 22.565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 24, 55) }
```

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

```
.background{ background-color: rgb(180, 24,  
55) }
```

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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