

Converting Colors

CIELCh(20, 36.001, 359.230)

Have a look what the booklet for
CIELCh(20, 36.001, 359.230)
contains.

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Color

CIELCh(20, 35.909, 359.401)

Conversions

Conversions Part 1

Format	Color
Hex	5D1232
RGB	93, 18, 50
RGB Percent	36%, 7%, 20%
CMY	0.6353, 0.9294, 0.8040
CMYK	0.00, 0.81, 0.46, 0.64
HSL	334°, 68%, 22%
HSV	334°, 81%, 36%
XYZ	5.3048, 2.9891, 3.3140
YIQ	44.0730, 34.4280, 25.8520

Conversions

Conversions Part 2

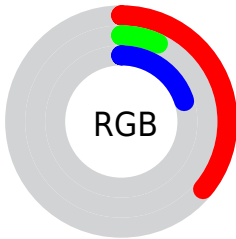
Format	Color
RYB	93, 18, 50
Decimal	6099506
CIELab	20.00, 35.91, -0.38
CIELCh	20, 35.909, 359.401
Yxy	2.9891, 0.4570, 0.2575
Android (android.graphics.Color)	4284289586 (0xFF5D1232)
YUV	44.0730, 2.9220, 42.9090
Hunter-Lab	17.2889, 24.5143, 0.7373

Details

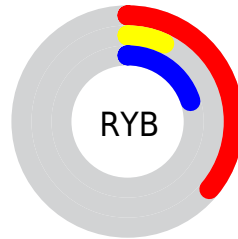
The CIELCh color **20, 35.909, 359.401** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **35, 32.960, 158.318**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 35.877, 359.655**, and **6, 24.483, 17.818** is the 20% darker color. If you saturate the color by 10%, you get **19, 38.271, 2.510**, and if you desaturate by 10%, it is **22, 32.688, 356.903**.

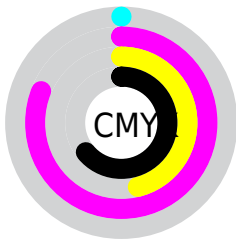
Distribution



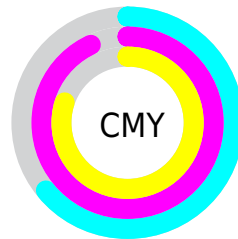
- Red (36%)
- Green (7%)
- Blue (20%)



- Red (36%)
- Yellow (7%)
- Blue (20%)



- Cyan (0%)
- Magenta (81%)
- Yellow (46%)
- Black (64%)





- Cyan (64%)
- Magenta (93%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 35.909, 359.401 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 20, 35.909, 359.401 by changing the saturation by 10% instead.

 20, 35.909,
359.401


 20, 35.909,
359.401


 100, 35.909,
359.401


 10, 35.909,
359.401


 40, 35.909,
359.401

 0, 35.909, 359.401

 50, 35.909,
359.401

 60, 35.909,
359.401

 70, 35.909,
359.401

 80, 35.909,
359.401

 90, 35.909,

359.401

■ 20, 35.909,
359.401

■ 20, 35.909,
359.401

■ 19, 38.271, 2.510

■ 22, 32.688,
356.903

■ 18, 40.391, 5.454

■ 24, 28.755,
354.883

■ 26, 24.317,
353.222

■ 28, 19.578,
351.827

■ 31, 14.705,
350.630

■ 34, 9.819, 349.580

■ 36, 5.002, 348.633

■ 39, 0.304, 347.039

■ 42, 4.247, 167.163

Harmonies

Complementary

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



20, 35.909, 359.401



35, 32.960, 158.318

Rectangle

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



20, 35.909, 359.401



20, 35.909, 49.401



20, 35.909, 179.401



20, 35.909, 229.401

Sweetspot

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



20, 35.907, 359.402



42, 14.122, 349.993



16, 50.162, 314.353



20, 9.799, 350.248



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



20, 35.907, 359.402



25, 47.637, 5.922



20, 38.180, 34.707



17, 2.597, 348.464



22, 45.337, 6.509



51, 80.071, 9.961

Inverse Universe

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



20, 35.907, 359.402



25, 47.637, 5.922



34, 20.678, 205.628



17, 2.597, 348.464



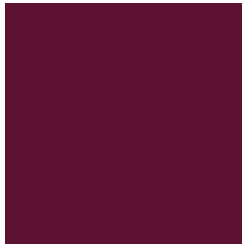
22, 45.337, 6.509



51, 80.071, 9.961

Previews

White Background



This preview shows how the CIELCh color 20, 35.909, 359.401 looks on a white background.

Color Contrast Check

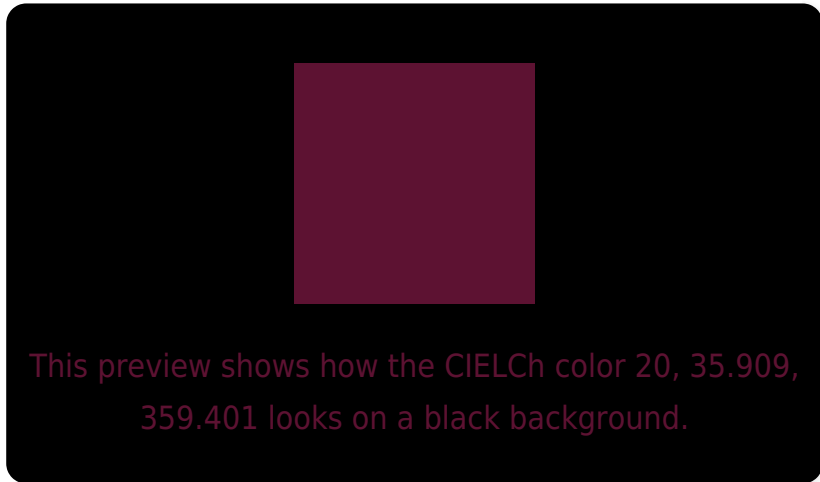
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

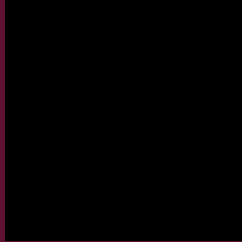
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 35.909, 359.401

Background



This preview shows how black text looks on a background with the CIELCh color 20, 35.909, 359.401.



This preview shows how white text looks on a background with the CIELCh color 20, 35.909, 359.401.

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
20, 35.909, 359.401

Protanopia
21, 12.268, 283.617

Deuteranopia
21, 4.392, 47.307



Tritanopia
20, 34.817, 28.650

Trichromacy



Original Color
20, 35.909, 359.401

Protanomaly
19, 18.775, 327.439

Deuteranomaly
20, 16.454, 2.274

Tritanomaly
20, 34.067, 17.188

Monochromacy



Original Color
20, 35.909, 359.401

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 14.835, 353.098

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 35.909, 359.401 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(93, 18, 50)` looks like.

```
.text, #text, p{  
    color:rgb(93, 18, 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(93, 18, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 18, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 35.909, 359.401 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(93, 18, 50) }
```

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

```
.border{ border-color:rgb(93, 18, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 18, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 18, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 18, 50);  
box-shadow:4px 4px 4px 4px rgb(93, 18, 50)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 35.909, 359.401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 18, 50) }
```

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

```
.background{ background-color: rgb(93, 18,  
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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