

Converting Colors

CIELCh(9, 56.038, 311.554)

Have a look what the booklet for
CIELCh(9, 56.038, 311.554) contains.

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Color

CIELCh(9, 55.962, 311.304)

Conversions

Conversions Part 1

Format	Color
Hex	240054
RGB	36, 0, 84
RGB Percent	14%, 0%, 33%
CMY	0.8601, 1.0000, 0.6717
CMYK	0.57, 1.00, 0.00, 0.67
HSL	266°, 100%, 16%
HSV	266°, 100%, 33%
XYZ	2.3036, 1.0010, 8.4008
YIQ	20.3400, -5.5080, 33.7560

Conversions

Conversions Part 2

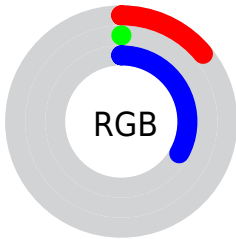
Format	Color
RYB	36, 0, 84
Decimal	2359380
CIELab	9.00, 36.94, -42.04
CIELCh	9, 55.962, 311.304
Yxy	1.0010, 0.1968, 0.0855
Android (android.graphics.Color)	4280549460 (0xFF240054)
YUV	20.3400, 31.3844, 13.7338
Hunter-Lab	10.0051, 23.5888, -42.7789

Details

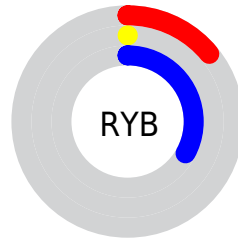
The CIELCh color **9, 55.962, 311.304** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **32, 46.843, 124.050**, and the grayscale version is **6, 0.002, 296.812**.

A 20% lighter version of the original color is **29, 56.377, 311.240**, and **2, 21.685, 290.735** is the 20% darker color. If you saturate the color by 10%, you get **9, 55.854, 311.264**, and if you desaturate by 10%, it is **11, 50.875, 310.800**.

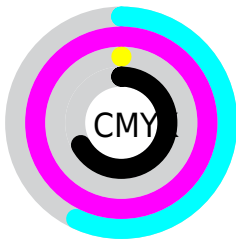
Distribution



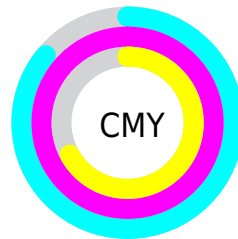
- Red (14%)
- Green (0%)
- Blue (33%)



- Red (14%)
- Yellow (0%)
- Blue (33%)



- Cyan (57%)
- Magenta (100%)
- Yellow (0%)
- Black (67%)



- Cyan (86%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 9, 55.962, 311.304 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 9, 55.962, 311.304 by changing the saturation by 10% instead.

■ 9, 55.962, 311.304

■ 9, 55.962, 311.304

■ 99, 55.962,
311.304

■ 0, 55.962, 311.304

■ 29, 55.962,
311.304

■ 39, 55.962,
311.304

■ 49, 55.962,
311.304

■ 59, 55.962,
311.304

■ 69, 55.962,
311.304

■ 79, 55.962,
311.304

89, 55.962,
311.304

9, 55.962, 311.304

9, 55.962, 311.304

9, 55.854, 311.264

11, 50.875,
310.800

13, 46.226,
310.594

16, 40.837,
310.187

18, 35.017,
309.659

21, 29.015,
309.077

24, 22.990,
308.487

■ 27, 17.036,
307.917

■ 30, 11.206,
307.382

■ 33, 5.525, 306.887

Harmonies

Complementary

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



9, 55.962, 311.304



32, 46.843, 124.050

Rectangle

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



9, 55.962, 311.304



9, 55.962, 1.304



9, 55.962, 131.304



9, 55.962, 181.304

Sweetspot

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



9, 55.854, 311.264



35, 21.317, 307.975



19, 25.383, 270.072



16, 14.708, 308.120



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



9, 55.854, 311.264



14, 67.693, 310.876



17, 51.650, 325.239



15, 3.017, 306.825



13, 65.408, 310.937



35, 118.231, 310.194

Inverse Universe

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



16, 39.003, 352.279



22, 46.797, 353.468



30, 52.665, 135.157



15, 2.592, 340.445



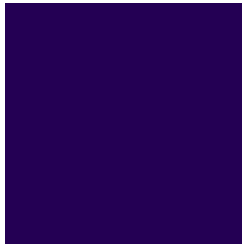
21, 45.290, 353.274



51, 80.320, 355.751

Previews

White Background



This preview shows how the CIELCh color 9, 55.962, 311.304 looks on a white background.

Color Contrast Check

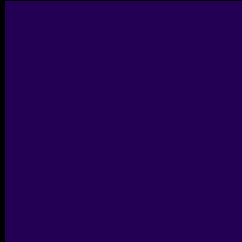
Large Text (above 18pt) WCAG AA ✓ Pass

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 9, 55.962, 311.304 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 9, 55.962, 311.304

Background



This preview shows how black text looks on a background with the CIELCh color 9, 55.962, 311.304.



This preview shows how white text looks on a background with the CIELCh color 9, 55.962, 311.304.

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

9, 55.962, 311.304

Protanopia

11, 23.923, 279.729

Deuteranopia

11, 17.115, 263.564



Tritanopia
11, 6.990, 209.915

Trichromacy



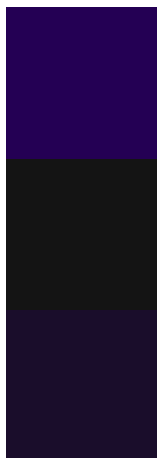
Original Color
9, 55.962, 311.304

Protanomaly
9, 37.466, 299.371

Deuteranomaly
9, 32.521, 296.903

Tritanomaly
9, 23.821, 300.013

Monochromacy



Original Color
9, 55.962, 311.304

Achromatopsia
6, 0.002, 296.812

Achromatomaly
6, 22.647, 309.041

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 9, 55.962, 311.304 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(36, 0, 84)` looks like.

```
.text, #text, p{  
    color:rgb(36, 0, 84)  
}
```

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(36, 0, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 0, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 9, 55.962, 311.304 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(36, 0, 84) }
```

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

```
.border{ border-color:rgb(36, 0, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 0, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 0, 84); -webkit-box-shadow:4px  
4px 4px 4px rgb(36, 0, 84); box-shadow:4px  
4px 4px 4px rgb(36, 0, 84) }
```

Background

The CSS property to change the background color of an element to CIELCh 9, 55.962, 311.304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 0, 84) }
```

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

```
.background{ background-color: rgb(36, 0,  
84) }
```

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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