

Converting Colors

CIELCh(12, 29.047, 327.448)

Have a look what the booklet for
CIELCh(12, 29.047, 327.448)
contains.

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Color

CIELCh(12, 29.056, 327.401)

Conversions

Conversions Part 1

Format	Color
Hex	351035
RGB	53, 16, 53
RGB Percent	21%, 6%, 21%
CMY	0.7908, 0.9360, 0.7909
CMYK	0.00, 0.69, 0.00, 0.79
HSL	300°, 53%, 14%
HSV	300°, 69%, 21%
XYZ	2.3262, 1.4064, 3.5562
YIQ	31.2810, 10.1750, 19.3510

Conversions

Conversions Part 2

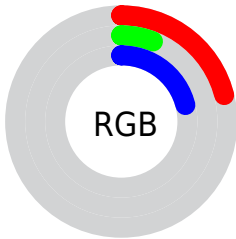
Format	Color
R_{YB}	53, 16, 53
Decimal	3477557
CIE _{Lab}	12.00, 24.48, -15.65
CIE _{LCh}	12, 29.056, 327.401
Yxy	1.4064, 0.3191, 0.1930
Android (android.graphics.Color)	4281667637 (0xFF351035)
YUV	31.2810, 10.7075, 19.0476
Hunter-Lab	11.8591, 14.2598, -9.4780




Details

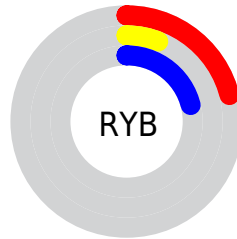
The CIELCh color **12, 29.056, 327.401** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **19, 29.343, 139.397**, and the grayscale version is **12, 0.003, 296.813**.




A 20% lighter version of the original color is **32, 29.042, 327.136**, and **0, 1.613, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **11, 32.152, 327.694**, and if you desaturate by 10%, it is **13, 25.469, 327.055**.

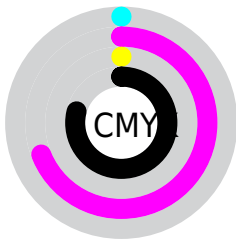
Distribution







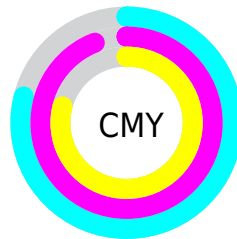
-  Red (21%)
-  Green (6%)
-  Blue (21%)






-  Red (21%)
-  Yellow (6%)
-  Blue (21%)



-  Cyan (0%)
-  Magenta (69%)
-  Yellow (0%)
-  Black (79%)



-  Cyan (79%)
-  Magenta (94%)
-  Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 29.056, 327.401 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 12, 29.056, 327.401 by changing the saturation by 10% instead.

■ 12, 29.056,
327.401

■ 12, 29.056,
327.401

■ 100, 29.056,
327.401

■ 2, 29.056, 327.401

■ 32, 29.056,
327.401

■ 0, 29.056, 327.401

■ 42, 29.056,
327.401


■ 52, 29.056,
327.401


■ 62, 29.056,
327.401


■ 72, 29.056,
327.401


■ 82, 29.056,


327.401


 92, 29.056,
327.401

 12, 29.056,
327.401

 12, 29.056,
327.401


 11, 32.152,
327.694

 13, 25.469,
327.055


 10, 34.939,
327.952

 14, 21.517,
326.666

 9, 37.967, 328.227

 16, 17.314,
326.243

 9, 38.162, 328.244

 17, 12.963,
325.797

 19, 8.545, 325.335

■ 21, 4.121, 324.860

■ 22, 0.263, 144.813

■ 24, 4.577, 143.993

■ 26, 8.801, 143.542

Harmonies

Complementary

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



12, 29.056, 327.401



19, 29.343, 139.397

Rectangle

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



12, 29.056, 327.401



12, 29.056, 17.401



12, 29.056, 147.401



12, 29.056, 197.401

Sweetspot

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



12, 29.055, 327.401



25, 11.469, 325.458



7, 27.715, 298.914



11, 7.842, 325.488



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



12, 29.055, 327.401



15, 40.287, 327.878



11, 21.248, 350.424



8, 2.333, 324.799



19, 53.714, 328.246



52, 102.195, 328.247

Inverse Universe

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



12, 29.055, 327.401



15, 40.287, 327.878



19, 20.113, 157.104



8, 2.333, 324.799



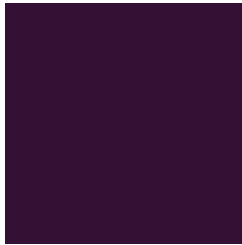
19, 53.714, 328.246



52, 102.195, 328.247

Previews

White Background



This preview shows how the CIELCh color 12, 29.056, 327.401 looks on a white background.

Color Contrast Check

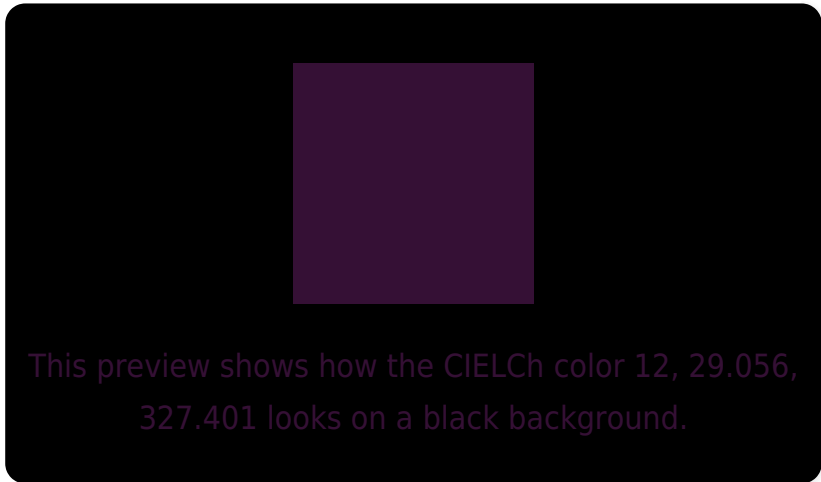
Large Text (above 18pt) WCAG AA ✓ Pass

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

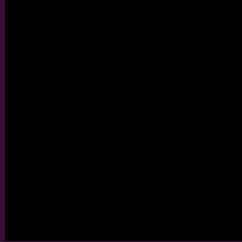
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 29.056, 327.401

Background



This preview shows how black text looks on a background with the CIELCh color 12, 29.056, 327.401.



This preview shows how white text looks on a background with the CIELCh color 12, 29.056, 327.401.

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

12, 29.056, 327.401

Deuteranopia

13, 13.247, 278.847

Tritanopia

12, 13.393, 17.620

Trichromacy



Original Color
12, 29.056, 327.401

Deuteranomaly
12, 18.476, 305.354

Tritanomaly
12, 17.292, 347.620

Monochromacy



Original Color
12, 29.056, 327.401

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 12.096, 325.938

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 29.056, 327.401 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(53, 16, 53)` looks like.

```
.text, #text, p{  
    color:rgb(53, 16, 53)  
}
```

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(53, 16, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 16, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 29.056, 327.401 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(53, 16, 53) }
```

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

```
.border{ border-color:rgb(53, 16, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 16, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 16, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 16, 53);  
box-shadow:4px 4px 4px 4px rgb(53, 16, 53)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 29.056, 327.401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 16, 53) }
```

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

```
.background{ background-color: rgb(53, 16,  
53) }
```

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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