

Converting Colors

CIELCh(10, 60.080, 318.325)

Have a look what the booklet for
CIELCh(10, 60.080, 318.325)
contains.

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Color

CIELCh(12, 53.175, 316.691)

Conversions

Conversions Part 1

Format	Color
Hex	360053
RGB	54, 0, 83
RGB Percent	21%, 0%, 33%
CMY	0.7884, 1.0000, 0.6747
CMYK	0.35, 1.00, 0.00, 0.67
HSL	279°, 100%, 16%
HSV	279°, 100%, 33%
XYZ	3.0786, 1.4064, 8.2850
YIQ	25.6080, 5.5410, 37.2610

Conversions

Conversions Part 2

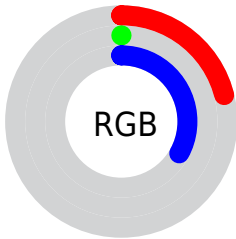
Format	Color
R _Y B	54, 0, 83
Decimal	3539027
CIE Lab	12.00, 38.69, -36.47
CIE LCh	12, 53.175, 316.691
Yxy	1.4064, 0.2411, 0.1101
Android (android.graphics.Color)	4281729107 (0xFF360053)
YUV	25.6080, 28.2943, 24.8998
Hunter-Lab	11.8591, 25.5854, -33.1201

Details

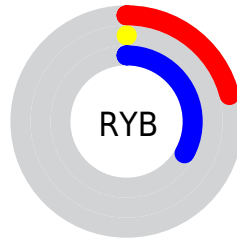
The CIELCh color **12, 53.175, 316.691** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **31, 49.706, 130.932**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 53.143, 316.818**, and **1, 22.542, 292.093** is the 20% darker color. If you saturate the color by 10%, you get **12, 53.159, 316.687**, and if you desaturate by 10%, it is **14, 49.206, 316.679**.

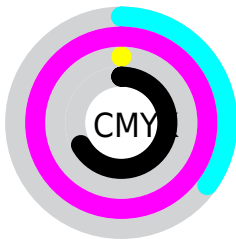
Distribution



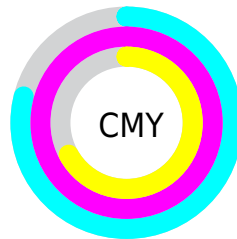
- Red (21%)
- Green (0%)
- Blue (33%)



- Red (21%)
- Yellow (0%)
- Blue (33%)



- Cyan (35%)
- Magenta (100%)
- Yellow (0%)
- Black (67%)





- Cyan (79%)
- Magenta (100%)
- Yellow (67%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 53.175, 316.691 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, 53.175, 316.691 by changing the saturation by 10% instead.

 12, 53.175,
316.691


 12, 53.175,
316.691


 100, 53.175,
316.691


 2, 53.175, 316.691


 32, 53.175,
316.691

 0, 53.175, 316.691

 42, 53.175,
316.691


 52, 53.175,
316.691


 62, 53.175,
316.691


 72, 53.175,
316.691


 82, 53.175,


316.691


 92, 53.175,
316.691


 12, 53.175,
316.691


 12, 53.175,
316.691


 12, 53.159,
316.687

 14, 49.206,
316.679

 15, 45.330,
316.769

 17, 40.591,
316.670

 19, 35.231,
316.431

 22, 29.493,
316.103

■ 24, 23.564,
315.722

■ 27, 17.578,
315.318

■ 30, 11.623,
314.909

■ 33, 5.754, 314.506

Harmonies

Complementary

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



12, 53.175, 316.691



31, 49.706, 130.932

Rectangle

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



12, 53.175, 316.691



12, 53.175, 6.691



12, 53.175, 136.691



12, 53.175, 186.691

Sweetspot

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



12, 53.159, 316.687



35, 21.721, 315.359



13, 38.513, 292.291



16, 14.668, 315.455



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



12, 53.159, 316.687



17, 63.636, 316.356



17, 45.861, 334.616



15, 3.168, 314.454



17, 62.551, 316.385



42, 112.686, 315.696

Inverse Universe

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



15, 37.486, 11.534



21, 44.966, 13.486



30, 49.348, 138.954



15, 2.243, 353.284



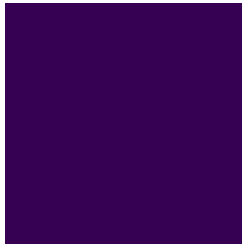
20, 44.188, 13.318



49, 80.273, 17.410

Previews

White Background



This preview shows how the CIELCh color 12, 53.175, 316.691 looks on a white background.

Color Contrast Check

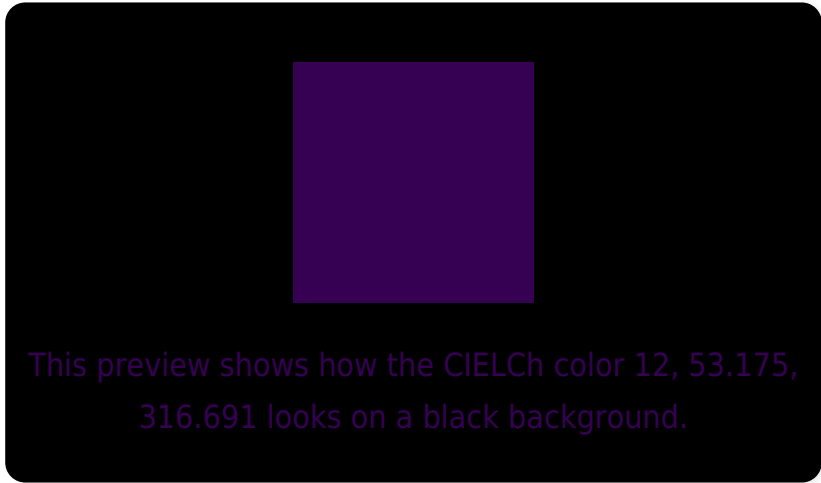
Large Text (above 18pt) WCAG AA ✓ Pass

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

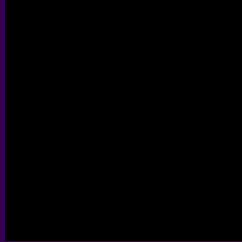
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 53.175, 316.691

Background



This preview shows how black text looks on a background with the CIELCh color 12, 53.175, 316.691.



This preview shows how white text looks on a background with the CIELCh color 12, 53.175, 316.691.

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, 53.175, 316.691

Deuteranopia

14, 20.142, 266.939

Tritanopia

14, 6.888, 3.403

Trichromacy

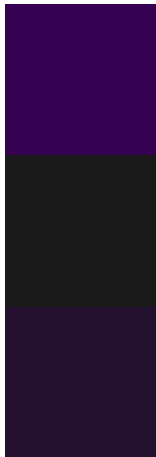


Original Color
12, 53.175, 316.691

Deuteranomaly
11, 33.312, 297.586

Tritanomaly
12, 25.222, 323.298

Monochromacy



Original Color
12, 53.175, 316.691

Achromatopsia
9, 0.003, 296.813

Achromatomaly
9, 23.299, 315.825

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 53.175, 316.691 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(54, 0, 83)` looks like.

```
.text, #text, p{  
    color:rgb(54, 0, 83)  
}
```

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(54, 0, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 0, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 53.175, 316.691 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(54, 0, 83) }
```

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

```
.border{ border-color:rgb(54, 0, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 0, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 0, 83); -webkit-box-shadow:4px  
4px 4px 4px rgb(54, 0, 83); box-shadow:4px  
4px 4px 4px rgb(54, 0, 83) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 53.175, 316.691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 0, 83) }
```

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

```
.background{ background-color: rgb(54, 0,  
83) }
```

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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