

Converting Colors

CIELCh(12, 25.489, 335.324)

Have a look what the booklet for
CIELCh(12, 25.489, 335.324)
contains.

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Color

CIELCh(12, 25.341, 336.096)

Conversions

Conversions Part 1

Format	Color
Hex	37112E
RGB	55, 17, 46
RGB Percent	22%, 7%, 18%
CMY	0.7846, 0.9336, 0.8198
CMYK	0.00, 0.69, 0.16, 0.78
HSL	314°, 53%, 14%
HSV	314°, 69%, 22%
XYZ	2.2637, 1.4064, 2.7310
YIQ	31.6680, 13.3390, 17.0750

Conversions

Conversions Part 2

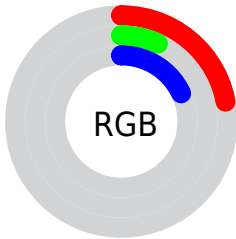
Format	Color
R_{YB}	55, 17, 46
Decimal	3608878
CIE _{Lab}	12.00, 23.17, -10.27
CIE _{LCh}	12, 25.341, 336.096
Y _{xy}	1.4064, 0.3536, 0.2197
Android (android.graphics.Color)	4281798958 (0xFF37112E)
YUV	31.6680, 7.0657, 20.4622
Hunter-Lab	11.8591, 13.3196, -5.3524




Details

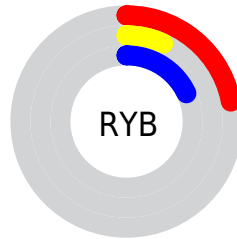
The CIELCh color **12, 25.341, 336.096** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **20, 25.543, 146.094**, and the grayscale version is **12, 0.003, 296.813**.




A 20% lighter version of the original color is **32, 25.144, 335.693**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 28.020, 336.849**, and if you desaturate by 10%, it is **13, 22.197, 335.394**.

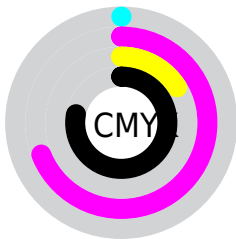
Distribution







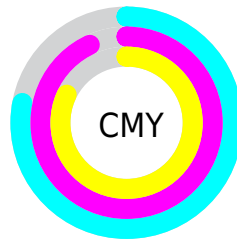
-  Red (22%)
-  Green (7%)
-  Blue (18%)






-  Red (22%)
-  Yellow (7%)
-  Blue (18%)



-  Cyan (0%)
-  Magenta (69%)
-  Yellow (16%)
-  Black (78%)





-  Cyan (78%)
-  Magenta (93%)
-  Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 25.341, 336.096 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, 25.341, 336.096 by changing the saturation by 10% instead.

 12, 25.341,
336.096


 12, 25.341,
336.096


 100, 25.341,
336.096


 2, 25.341, 336.096


 32, 25.341,
336.096

 0, 25.341, 336.096

 42, 25.341,
336.096


 52, 25.341,
336.096


 62, 25.341,
336.096

 72, 25.341,
336.096


 82, 25.341,


336.096


 92, 25.341,
336.096


 12, 25.341,
336.096

 12, 25.341,
336.096


 11, 28.020,
336.849

 13, 22.197,
335.394


 10, 30.364,
337.617

 15, 18.719,
334.728

 9, 32.996, 338.284

 16, 15.025,
334.092

 9, 33.234, 338.335

 18, 11.210,
333.481

 20, 7.349, 332.889

■ 21, 3.495, 332.307

■ 23, 0.315, 152.214

■ 25, 4.056, 151.318

■ 27, 7.713, 150.808

Harmonies

Complementary

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



12, 25.341, 336.096



20, 25.543, 146.094

Rectangle

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



12, 25.341, 336.096



12, 25.341, 26.096



12, 25.341, 156.096



12, 25.341, 206.096

Sweetspot

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



12, 25.340, 336.096



26, 10.040, 333.057



8, 28.416, 304.681



11, 6.660, 333.087



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, 25.340, 336.096



15, 35.284, 337.492



11, 20.279, 7.238



9, 2.149, 332.260



19, 46.197, 339.461



49, 85.814, 340.654

Inverse Universe

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



12, 25.340, 336.096



15, 35.284, 337.492



20, 16.621, 171.793



9, 2.149, 332.260



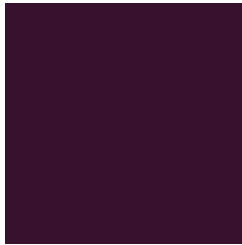
19, 46.197, 339.461



49, 85.814, 340.654

Previews

White Background



This preview shows how the CIELCh color 12, 25.341, 336.096 looks on a white background.

Color Contrast Check

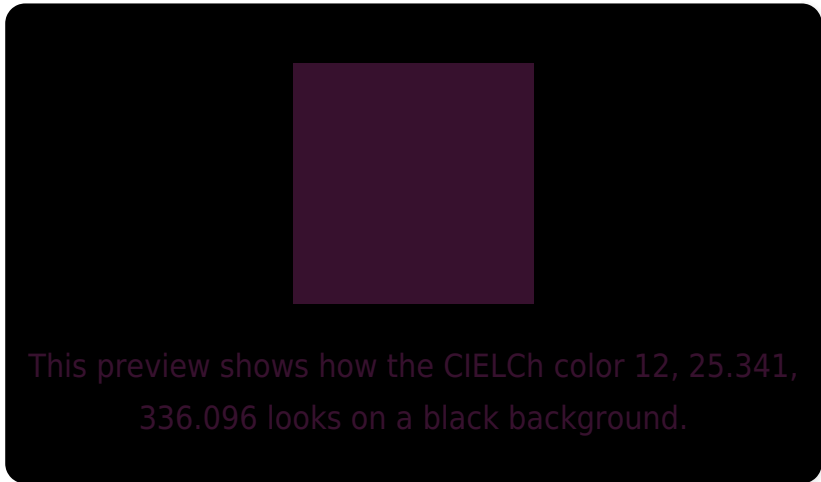
Large Text (above 18pt) WCAG AA ✓ Pass

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

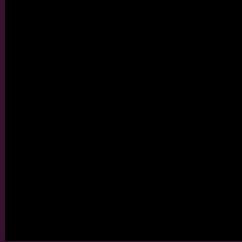
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 25.341, 336.096

Background



This preview shows how black text looks on a background with the CIELCh color 12, 25.341, 336.096.



This preview shows how white text looks on a background with the CIELCh color 12, 25.341, 336.096.

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, 25.341, 336.096

Protanopia

13, 18.890, 284.120

Deuteranopia

13, 8.683, 286.997



Tritanopia
12, 16.198, 19.805

Trichromacy



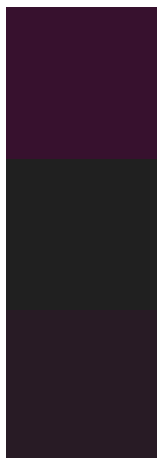
Original Color
12, 25.341, 336.096

Protanomaly
12, 19.785, 302.500

Deuteranomaly
12, 14.132, 316.067

Tritanomaly
12, 18.129, 358.417

Monochromacy



Original Color
12, 25.341, 336.096

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 9.592, 333.313

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 25.341, 336.096 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(55, 17, 46)` looks like.

```
.text, #text, p{  
    color:rgb(55, 17, 46)  
}
```

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(55, 17, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 17, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 25.341, 336.096 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(55, 17, 46) }
```

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

```
.border{ border-color:rgb(55, 17, 46) }
```

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

Here you see how a box with a 4 pixel rgb(55, 17, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 17, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 17, 46);  
box-shadow:4px 4px 4px 4px rgb(55, 17, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 25.341, 336.096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 17, 46) }
```

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

```
.background{ background-color: rgb(55, 17,  
46) }
```

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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