

Converting Colors

CIELCh(16, 32.817, 320.327)

Have a look what the booklet for
CIELCh(16, 32.817, 320.327)
contains.

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Color

CIELCh(16, 33.053, 320.444)

Conversions

Conversions Part 1

Format	Color
Hex	3C1946
RGB	60, 25, 70
RGB Percent	24%, 10%, 27%
CMY	0.7646, 0.9019, 0.7254
CMYK	0.14, 0.64, 0.00, 0.73
HSL	287°, 47%, 19%
HSV	287°, 64%, 27%
XYZ	3.3182, 2.0993, 6.0270
YIQ	40.5950, 6.4150, 21.4150

Conversions

Conversions Part 2

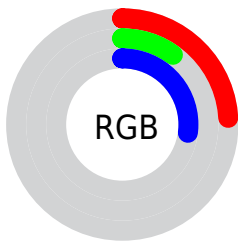
Format	Color
R_{YB}	60, 25, 70
Decimal	3938630
CIE _{Lab}	16.00, 25.48, -21.05
CIE _{LCh}	16, 33.053, 320.444
Yxy	2.0993, 0.2899, 0.1834
Android (android.graphics.Color)	4282128710 (0xFF3C1946)
YUV	40.5950, 14.4967, 17.0182
Hunter-Lab	14.4890, 15.5236, -14.5208

Details

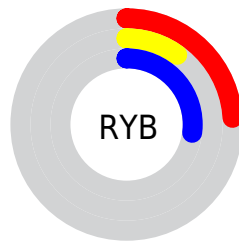
The CIELCh color **16, 33.053, 320.444** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **26, 32.273, 134.877**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 33.551, 320.402**, and **1, 13.811, 295.941** is the 20% darker color. If you saturate the color by 10%, you get **14, 37.373, 320.619**, and if you desaturate by 10%, it is **18, 28.265, 320.176**.

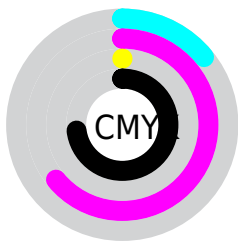
Distribution



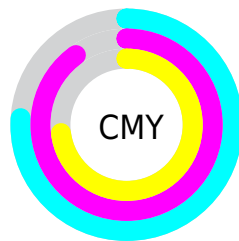
- Red (24%)
- Green (10%)
- Blue (27%)



- Red (24%)
- Yellow (10%)
- Blue (27%)



- Cyan (14%)
- Magenta (64%)
- Yellow (0%)
- Black (73%)



- Cyan (76%)
- Magenta (90%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 33.053, 320.444 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 16, 33.053, 320.444 by changing the saturation by 10% instead.

■ 16, 33.053,
320.444

■ 16, 33.053,
320.444

■ 100, 33.053,
320.444

■ 6, 33.053, 320.444

■ 36, 33.053,
320.444

■ 0, 33.053, 320.444

■ 46, 33.053,
320.444

■ 56, 33.053,
320.444


■ 66, 33.053,
320.444

■ 76, 33.053,
320.444


■ 86, 33.053,


320.444

 96, 33.053,
320.444


 16, 33.053,
320.444


 16, 33.053,
320.444


 14, 37.373,
320.619


 18, 28.265,
320.176


 13, 41.032,
320.666

 20, 23.185,
319.843

 12, 44.331,
320.667

 22, 17.951,
319.472

 11, 46.423,
320.734

 24, 12.664,
319.081

 26, 7.398, 318.682

■ 29, 2.198, 318.263

■ 31, 2.905, 137.965

■ 33, 7.894, 137.586

■ 36, 12.759,
137.245

Harmonies

Complementary

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



16, 33.053, 320.444



26, 32.273, 134.877

Rectangle

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



16, 33.053, 320.444



16, 33.053, 10.444



16, 33.053, 140.444



16, 33.053, 190.444

Sweetspot

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



16, 33.052, 320.444



34, 12.379, 318.902



15, 24.403, 288.716



15, 8.402, 318.957



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



16, 33.052, 320.444



19, 47.650, 320.664



17, 28.441, 337.305



13, 2.922, 318.453



18, 59.119, 320.372



45, 108.251, 319.832

Inverse Universe

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



16, 23.071, 10.226



20, 34.104, 14.605



26, 28.520, 147.364



13, 1.880, 2.205



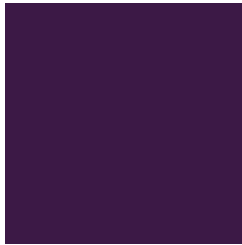
19, 44.725, 24.062



48, 84.443, 28.548

Previews

White Background



This preview shows how the CIELCh color 16, 33.053, 320.444 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 16, 33.053, 320.444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

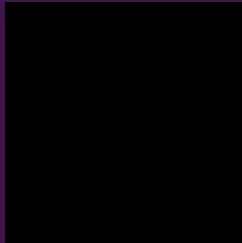
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 33.053, 320.444

Background



This preview shows how black text looks on a background with the CIELCh color 16, 33.053, 320.444.



This preview shows how white text looks on a background with the CIELCh color 16, 33.053, 320.444.

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

16, 33.053, 320.444

Protanopia

16, 31.812, 283.465

Deuteranopia

16, 18.682, 277.169



Tritanopia
16, 10.239, 14.363

Trichromacy



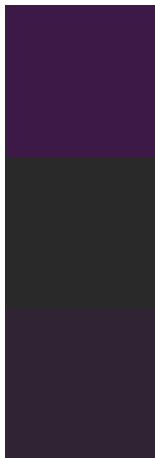
Original Color
16, 33.053, 320.444

Protanomaly
15, 31.668, 292.244

Deuteranomaly
16, 23.226, 297.792

Tritanomaly
16, 17.134, 337.547

Monochromacy



Original Color
16, 33.053, 320.444

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 13.293, 318.937

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 33.053, 320.444 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(60, 25, 70)` looks like.

```
.text, #text, p{  
    color:rgb(60, 25, 70)  
}
```

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(60, 25, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 25, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 33.053, 320.444 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(60, 25, 70) }
```

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

```
.border{ border-color:rgb(60, 25, 70) }
```

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

Here you see how a box with a 4 pixel rgb(60, 25, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 25, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 25, 70);  
box-shadow:4px 4px 4px 4px rgb(60, 25, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 33.053, 320.444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 25, 70) }
```

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

```
.background{ background-color: rgb(60, 25,  
70) }
```

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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