

Converting Colors

CIELCh(17, 24.883, 87.021)

Have a look what the booklet for
CIELCh(17, 24.883, 87.021) contains.

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Color

CIELCh(17, 24.520, 86.704)

Conversions

Conversions Part 1

Format	Color
Hex	352800
RGB	53, 40, 0
RGB Percent	21%, 16%, 0%
CMY	0.7910, 0.8420, 0.9983
CMYK	0.00, 0.24, 0.99, 0.79
HSL	45°, 98%, 11%
HSV	45°, 99%, 21%
XYZ	2.2540, 2.3023, 0.3377
YIQ	39.3270, 20.5880, -9.6840

Conversions

Conversions Part 2

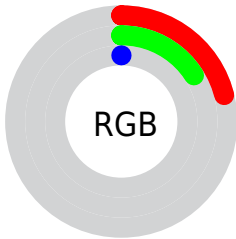
Format	Color
R_YB	17, 53, 0
Decimal	3483648
CIE Lab	17.00, 1.41, 24.48
CIE LCh	17, 24.520, 86.704
Yxy	2.3023, 0.4606, 0.4704
Android (android.graphics.Color)	4281673728 (0xFF352800)
YUV	39.3270, -19.3882, 11.9912
Hunter-Lab	15.1734, -0.0374, 9.3017

Details

The CIELCh color **17, 24.520, 86.704** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **5, 29.254, 292.256**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 24.498, 87.475**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 24.648, 86.630**, and if you desaturate by 10%, it is **17, 22.912, 87.752**.

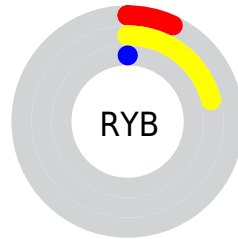
Distribution



Red (21%)

Green (16%)

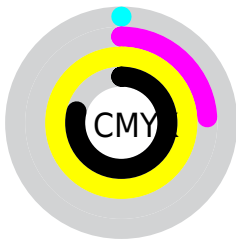
Blue (0%)



Red (7%)

Yellow (21%)

Blue (0%)

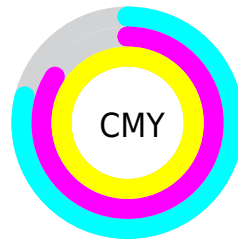


Cyan (0%)

Magenta (24%)

Yellow (99%)

Black (79%)



Cyan (79%)

Magenta (84%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 24.520, 86.704 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 17, 24.520, 86.704 by changing the saturation by 10% instead.

 17, 24.520, 86.704

 17, 24.520, 86.704

 100, 24.520,
86.704

 7, 24.520, 86.704

 37, 24.520, 86.704

 0, 24.520, 86.704

 47, 24.520, 86.704

 57, 24.520, 86.704

 67, 24.520, 86.704

 77, 24.520, 86.704

 87, 24.520, 86.704

 97, 24.520, 86.704

■ 17, 24.520, 86.704

■ 17, 24.520, 86.704

■ 17, 24.648, 86.630

■ 17, 22.912, 87.752

■ 18, 21.294, 88.956

■ 18, 19.219, 90.139

■ 19, 16.558, 91.268

■ 19, 13.777, 92.376

■ 20, 10.960, 93.462

■ 21, 8.137, 94.526

■ 21, 5.327, 95.564

■ 22, 2.538, 96.564

Harmonies

Complementary

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



17, 24.520, 86.704



5, 29.254, 292.256

Rectangle

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



17, 24.520, 86.704



17, 24.520, 136.704



17, 24.520, 266.704



17, 24.520, 316.704

Sweetspot

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



17, 24.520, 86.707



27, 10.370, 94.286



7, 27.506, 12.021



13, 7.149, 94.163



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



17, 24.520, 86.707



23, 31.713, 85.967



20, 31.183, 116.765



9, 1.465, 96.673



30, 39.214, 85.335



70, 74.189, 83.547

Inverse Universe

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



5, 29.254, 292.256



7, 38.534, 296.948



3, 36.022, 303.691



8, 1.478, 278.365



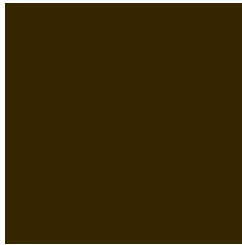
11, 47.934, 298.408



33, 99.052, 301.082

Previews

White Background



This preview shows how the CIE LCh color 17, 24.520, 86.704 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 CIELCh color 17, 24.520, 86.704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

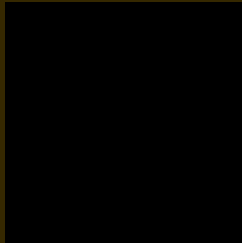
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 24.520, 86.704

Background



This preview shows how black text looks on a background with the CIELCh color 17, 24.520, 86.704.

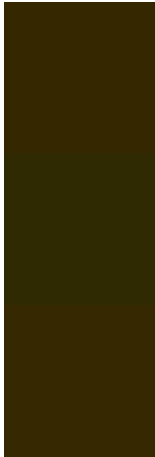


This preview shows how white text looks on a background with the CIELCh color 17, 24.520, 86.704.

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

17, 24.520, 86.704

Protanopia

17, 23.351, 96.207

Deuteranopia

17, 24.361, 85.191



Tritanopia
17, 9.193, 8.806

Trichromacy



Original Color
17, 24.520, 86.704

Protanomaly
17, 23.557, 91.966

Deuteranomaly
17, 24.361, 85.191

Tritanomaly
17, 12.276, 62.579

Monochromacy



Original Color
17, 24.520, 86.704

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 10.080, 92.085

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 24.520, 86.704 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, 40, 0)` looks like.

```
.text, #text, p{  
    color:rgb(53, 40, 0)  
}
```

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, 40, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 40, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 24.520, 86.704 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, 40, 0) }
```

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

```
.border{ border-color:rgb(53, 40, 0) }
```

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

Here you see how a box with a 4 pixel rgb(53, 40, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 40, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(53, 40, 0); box-shadow:4px  
4px 4px 4px rgb(53, 40, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 24.520, 86.704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 40, 0) }
```

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

```
.background{ background-color: rgb(53, 40,  
0) }
```

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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