

Converting Colors

CIELCh(17, 24.469, 54.207)

Have a look what the booklet for
CIELCh(17, 24.469, 54.207) contains.

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Color

CIELCh(17, 24.449, 53.921)

Conversions

Conversions Part 1

Format	Color
Hex	43210D
RGB	67, 33, 13
RGB Percent	26%, 13%, 5%
CMY	0.7376, 0.8709, 0.9494
CMYK	0.00, 0.51, 0.81, 0.74
HSL	22°, 68%, 16%
HSV	22°, 81%, 26%
XYZ	2.9223, 2.3023, 0.6677
YIQ	40.8860, 26.6840, 0.9880

Conversions

Conversions Part 2

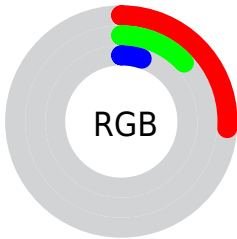
Format	Color
RYB	67, 45, 13
Decimal	4399373
CIELab	17.00, 14.40, 19.76
CIELCh	17, 24.449, 53.921
Yxy	2.3023, 0.4960, 0.3907
Android (android.graphics.Color)	4282589453 (0xFF43210D)
YUV	40.8860, -13.7478, 22.9020
Hunter-Lab	15.1734, 7.8249, 8.0123

Details

The CIELCh color **17, 24.449, 53.921** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **18, 16.637, 255.232**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 24.370, 54.472**, and **0, 1.109, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **16, 26.951, 51.687**, and if you desaturate by 10%, it is **18, 21.282, 55.239**.

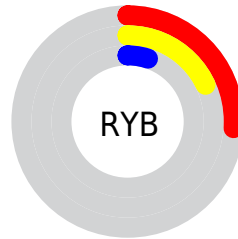
Distribution



 Red (26%)

 Green (13%)

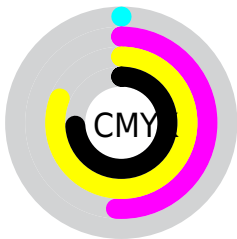
 Blue (5%)



 Red (26%)

 Yellow (18%)

 Blue (5%)

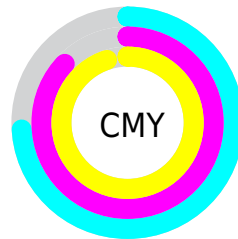


 Cyan (0%)

 Magenta (51%)

 Yellow (81%)

 Black (74%)



 Cyan (74%)

 Magenta (87%)

 Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 24.449, 53.921 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, 24.449, 53.921 by changing the saturation by 10% instead.

 17, 24.449, 53.921

 17, 24.449, 53.921

 100, 24.449,
53.921

 7, 24.449, 53.921

 37, 24.449, 53.921

 0, 24.449, 53.921

 47, 24.449, 53.921

 57, 24.449, 53.921

 67, 24.449, 53.921

 77, 24.449, 53.921

 87, 24.449, 53.921

 97, 24.449, 53.921

■ 17, 24.449, 53.921

■ 17, 24.449, 53.921

■ 16, 26.951, 51.687

■ 18, 21.282, 55.239

■ 15, 29.213, 50.018

■ 20, 17.770, 55.832

■ 21, 14.407, 56.463

■ 22, 11.217, 57.142

■ 24, 8.207, 57.865

■ 25, 5.371, 58.619

■ 27, 2.698, 59.377

■ 28, 0.174, 59.048

■ 30, 2.213, 241.189

Harmonies

Complementary

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



17, 24.449, 53.921



18, 16.637, 255.232

Rectangle

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



17, 24.449, 53.921



17, 24.449, 103.921



17, 24.449, 233.921



17, 24.449, 283.921

Sweetspot

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



17, 24.448, 53.925



32, 7.814, 58.295



14, 30.473, 344.245



15, 5.308, 58.180



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



17, 24.448, 53.925



21, 37.009, 52.061



25, 28.717, 96.281



12, 1.379, 59.535



23, 42.238, 52.085



54, 82.937, 50.801

Inverse Universe

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



18, 16.637, 255.232



22, 23.461, 262.702



9, 34.433, 297.464



12, 1.336, 241.180



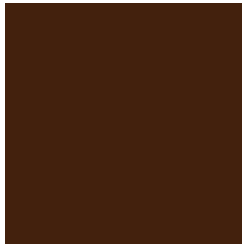
24, 26.223, 264.594



57, 50.938, 268.811

Previews

White Background



This preview shows how the CIE LCh color 17, 24.449, 53.921 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 17, 24.449, 53.921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

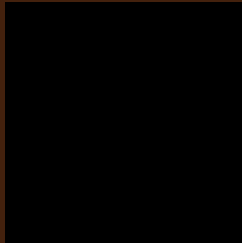
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 24.449, 53.921

Background



This preview shows how black text looks on a background with the CIELCh color 17, 24.449, 53.921.

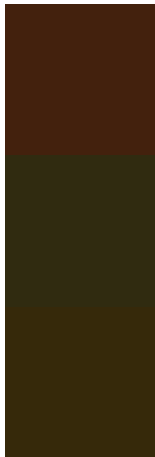


This preview shows how white text looks on a background with the CIELCh color 17, 24.449, 53.921.

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, 24.449, 53.921

Protanopia

17, 18.196, 96.671

Deuteranopia

17, 21.208, 84.619



Tritanopia
17, 19.257, 20.818

Trichromacy



Original Color
17, 24.449, 53.921

Protanomaly
17, 18.759, 76.807

Deuteranomaly
17, 21.656, 71.685

Tritanomaly
17, 20.395, 35.601

Monochromacy



Original Color
17, 24.449, 53.921

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 8.077, 57.227

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 24.449, 53.921 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(67, 33, 13)` looks like.

```
.text, #text, p{  
    color:rgb(67, 33, 13)  
}
```

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(67, 33, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 33, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 24.449, 53.921 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(67, 33, 13) }
```

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

```
.border{ border-color:rgb(67, 33, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 33, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 33, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 33, 13);  
box-shadow:4px 4px 4px 4px rgb(67, 33, 13)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 24.449, 53.921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 33, 13) }
```

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

```
.background{ background-color: rgb(67, 33,  
13) }
```

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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