

Converting Colors

CIELCh(24, 16.945, 107.628)

Have a look what the booklet for
CIELCh(24, 16.945, 107.628)
contains.

CIELCh(24, 17.446, 108.076)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(24, 17.446, 108.076)

Conversions

Conversions Part 1

Format	Color
Hex	3A3B20
RGB	58, 59, 32
RGB Percent	23%, 23%, 13%
CMY	0.7735, 0.7695, 0.8753
CMYK	0.02, 0.00, 0.46, 0.77
HSL	62°, 30%, 18%
HSV	62°, 46%, 23%
XYZ	3.5415, 4.1002, 1.9561
YIQ	55.6230, 8.0710, -8.6090

Conversions

Conversions Part 2

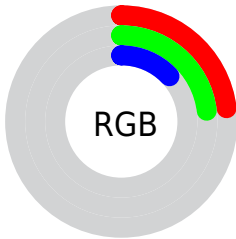
Format	Color
RYB	32, 59, 33
Decimal	3816224
CIELab	24.00, -5.41, 16.58
CIELCh	24, 17.446, 108.076
Yxy	4.1002, 0.3690, 0.4272
Android (android.graphics.Color)	4282006304 (0xFF3A3B20)
YUV	55.6230, -11.6461, 2.0846
Hunter-Lab	20.2490, -4.2168, 8.4469

Details

The CIELCh color $24, 17.446, 108.076$ is a dark color, and the websafe version is hex 333300 . A complement of this color would be $14, 19.314, 296.560$, and the grayscale version is $23, 0.004, 296.813$.

A 20% lighter version of the original color is $44, 17.150, 107.688$, and $4, 7.928, 129.509$ is the 20% darker color. If you saturate the color by 10%, you get $24, 20.998, 107.353$, and if you desaturate by 10%, it is $24, 13.757, 108.840$.

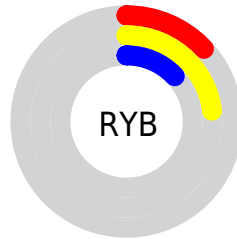
Distribution



Red (23%)

Green (23%)

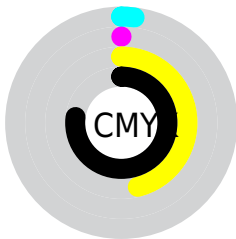
Blue (13%)



Red (13%)

Yellow (23%)

Blue (13%)

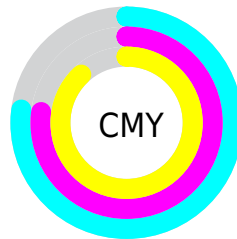


Cyan (2%)

Magenta (0%)

Yellow (46%)

Black (77%)



Cyan (77%)


Magenta (77%)


Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 17.446, 108.076 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 24, 17.446, 108.076 by changing the saturation by 10% instead.

 24, 17.446,
108.076


 24, 17.446,
108.076

 100, 17.446,
108.076


 14, 17.446,
108.076


 44, 17.446,
108.076


 4, 17.446, 108.076

 54, 17.446,
108.076

 0, 17.446, 108.076

 64, 17.446,
108.076

 74, 17.446,
108.076

 84, 17.446,
108.076

 94, 17.446,

108.076

■ 24, 17.446,
108.076

■ 24, 17.446,
108.076

■ 24, 20.998,
107.353

■ 24, 13.757,
108.840

■ 24, 24.340,
106.685

■ 24, 9.979, 109.621

■ 24, 27.373,
106.102

■ 24, 6.148, 110.406

■ 25, 2.287, 111.181

■ 24, 29.923,
105.671

■ 25, 1.587, 291.972

■ 24, 32.286,
105.354

■ 25, 5.463, 292.712

■ 25, 9.332, 293.435

■ 24, 33.252,
105.240

■ 26, 13.188,

294.133

■ 26, 17.026,
294.802

Harmonies

Complementary

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



24, 17.446, 108.076



14, 19.314, 296.560

Rectangle

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



24, 17.446, 108.076



24, 17.446, 158.076



24, 17.446, 288.076



24, 17.446, 338.076

Sweetspot

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



24, 17.447, 108.079



32, 6.740, 110.504



16, 13.814, 25.551



15, 4.567, 110.445



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



24, 17.447, 108.079



31, 25.675, 107.238



23, 18.955, 128.390



11, 2.220, 110.983



38, 46.873, 105.013



85, 87.335, 105.186

Inverse Universe

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



14, 19.314, 296.560



16, 29.429, 298.327



15, 19.970, 312.116



10, 2.260, 292.344



8, 64.372, 306.510



28, 120.280, 306.375

Previews

White Background



This preview shows how the CIELCh color 24, 17.446, 108.076 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 24, 17.446, 108.076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

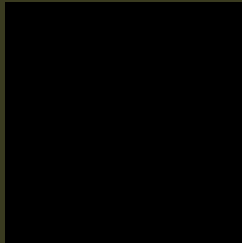
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 17.446, 108.076

Background



This preview shows how black text looks on a background with the CIELCh color 24, 17.446, 108.076.

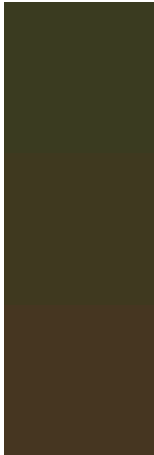


This preview shows how white text looks on a background with the CIELCh color 24, 17.446, 108.076.

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


24, 17.446, 108.076

Protanopia

24, 17.208, 95.953

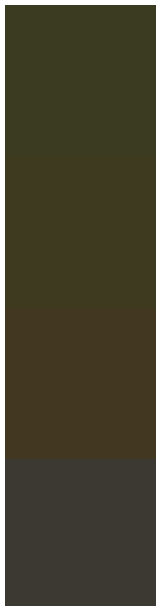
Deuteranopia

24, 16.360, 76.130



Tritanopia
24, 3.504, 330.930

Trichromacy



Original Color
24, 17.446, 108.076

Protanomaly
24, 17.552, 101.256

Deuteranomaly
24, 15.992, 87.790

Tritanomaly
24, 4.832, 91.911

Monochromacy



Original Color
24, 17.446, 108.076

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 5.957, 108.855

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 17.446, 108.076 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(58, 59, 32)` looks like.

```
.text, #text, p{  
    color:rgb(58, 59, 32)  
}
```

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(58, 59, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 59, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 17.446, 108.076 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(58, 59, 32) }
```

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

```
.border{ border-color:rgb(58, 59, 32) }
```

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

Here you see how a box with a 4 pixel rgb(58, 59, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 59, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 59, 32);  
box-shadow:4px 4px 4px 4px rgb(58, 59, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 17.446, 108.076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 59, 32) }
```

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

```
.background{ background-color: rgb(58, 59,  
32) }
```

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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