

Converting Colors

CIELCh(25, 18.493, 88.180)

Have a look what the booklet for
CIELCh(25, 18.493, 88.180) contains.

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Color

CIELCh(25, 18.493, 88.180)

Conversions

Conversions Part 1

Format	Color
Hex	453A1F
RGB	69, 58, 31
RGB Percent	27%, 23%, 12%
CMY	0.7287, 0.7719, 0.8778
CMYK	0.00, 0.16, 0.55, 0.73
HSL	43°, 38%, 20%
HSV	43°, 55%, 27%
XYZ	4.2388, 4.4155, 1.9366
YIQ	58.2110, 15.2230, -6.0650

Conversions

Conversions Part 2

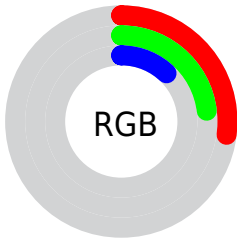
Format	Color
R_YB	46, 69, 31
Decimal	4536863
CIE Lab	25.00, 0.59, 18.48
CIE LCh	25, 18.493, 88.180
Yxy	4.4155, 0.4002, 0.4169
Android (android.graphics.Color)	4282726943 (0xFF453A1F)
YUV	58.2110, -13.4150, 9.4620
Hunter-Lab	21.0130, -0.7657, 9.2450

Details

The CIELCh color **25, 18.493, 88.180** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **17, 18.918, 283.059**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 18.213, 88.645**, and **5, 7.729, 82.331** is the 20% darker color. If you saturate the color by 10%, you get **24, 21.826, 86.941**, and if you desaturate by 10%, it is **26, 15.093, 89.393**.

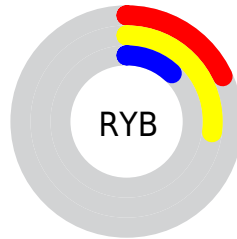
Distribution



Red (27%)

Green (23%)

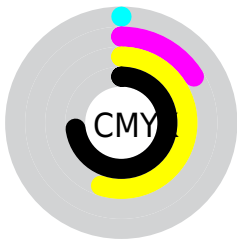
Blue (12%)



Red (18%)

Yellow (27%)

Blue (12%)

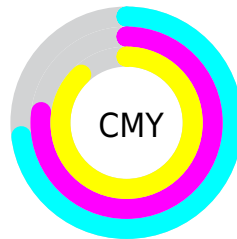


Cyan (0%)

Magenta (16%)

Yellow (55%)

Black (73%)



Cyan (73%)

Magenta (77%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 18.493, 88.180 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 25, 18.493, 88.180 by changing the saturation by 10% instead.

■ 25, 18.493, 88.180

■ 25, 18.493, 88.180

■ 100, 18.493,
88.180

■ 15, 18.493, 88.180

■ 45, 18.493, 88.180

■ 5, 18.493, 88.180

■ 55, 18.493, 88.180

■ 0, 18.493, 88.180

■ 65, 18.493, 88.180

■ 75, 18.493, 88.180

■ 85, 18.493, 88.180

■ 95, 18.493, 88.180

■ 25, 18.493, 88.180

■ 25, 18.493, 88.180

■ 24, 21.826, 86.941

■ 26, 15.093, 89.393

■ 24, 24.995, 85.651

■ 27, 11.680, 90.572

■ 23, 27.751, 84.261

■ 27, 8.287, 91.720

■ 22, 29.968, 82.841

■ 28, 4.930, 92.834

■ 22, 31.088, 82.201

■ 29, 1.619, 93.880

■ 30, 1.644, 275.054

■ 31, 4.859, 276.027

■ 32, 8.026, 276.991

■ 32, 11.147,
277.920

Harmonies

Complementary

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



25, 18.493, 88.180



17, 18.918, 283.059

Rectangle

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



25, 18.493, 88.180



25, 18.493, 138.180



25, 18.493, 268.180



25, 18.493, 318.180

Sweetspot

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



25, 18.493, 88.184



36, 6.525, 92.650



18, 19.741, 2.422



18, 4.446, 92.554



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



25, 18.493, 88.184



32, 27.346, 86.478



28, 23.950, 114.741



14, 1.876, 93.510



32, 41.755, 81.296



71, 75.940, 79.399

Inverse Universe

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



17, 18.918, 283.059



20, 28.509, 286.340



15, 27.025, 302.588



13, 1.884, 275.462



14, 49.285, 296.779



37, 96.990, 299.301

Previews

White Background



This preview shows how the CIELCh color 25, 18.493, 88.180 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 25, 18.493, 88.180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

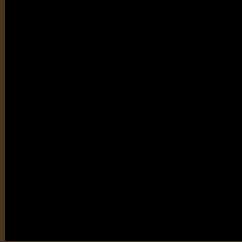
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 18.493, 88.180

Background



This preview shows how black text looks on a background with the CIELCh color 25, 18.493, 88.180.



This preview shows how white text looks on a background with the CIELCh color 25, 18.493, 88.180.

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

25, 18.493, 88.180

Protanopia

25, 18.310, 96.528

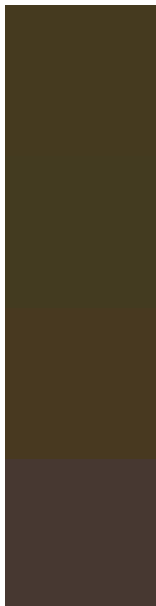
Deuteranopia

25, 18.490, 79.545



Tritanopia
25, 8.322, 2.763

Trichromacy



Original Color
25, 18.493, 88.180

Protanomaly
25, 17.976, 93.006

Deuteranomaly
25, 18.232, 80.994

Tritanomaly
25, 8.749, 51.913

Monochromacy



Original Color
25, 18.493, 88.180

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 6.854, 92.323

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 18.493, 88.180 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(69, 58, 31)` looks like.

```
.text, #text, p{  
    color:rgb(69, 58, 31)  
}
```

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(69, 58, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 58, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 18.493, 88.180 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(69, 58, 31) }
```

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

```
.border{ border-color:rgb(69, 58, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 58, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 58, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 58, 31);  
box-shadow:4px 4px 4px 4px rgb(69, 58, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 18.493, 88.180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 58, 31) }
```

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

```
.background{ background-color: rgb(69, 58,  
31) }
```

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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