

Converting Colors

CIELCh(25, 19.930, 80.875)

Have a look what the booklet for
CIELCh(25, 19.930, 80.875) contains.

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Color

CIELCh(25, 20.206, 81.356)

Conversions

Conversions Part 1

Format	Color
Hex	49391D
RGB	73, 57, 29
RGB Percent	29%, 22%, 11%
CMY	0.7142, 0.7769, 0.8867
CMYK	0.00, 0.22, 0.60, 0.71
HSL	38°, 43%, 20%
HSV	38°, 60%, 29%
XYZ	4.4169, 4.4155, 1.7751
YIQ	58.5920, 18.5240, -5.3160

Conversions

Conversions Part 2

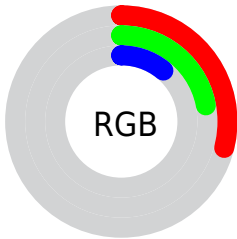
Format	Color
RYB	54, 73, 29
Decimal	4798749
CIELab	25.00, 3.04, 19.98
CIELCh	25, 20.206, 81.356
Yxy	4.4155, 0.4164, 0.4163
Android (android.graphics.Color)	4282988829 (0xFF49391D)
YUV	58.5920, -14.5889, 12.6358
Hunter-Lab	21.0130, 0.7473, 9.7004




Details

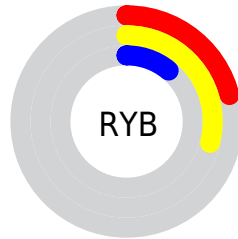
The CIELCh color **25, 20.206, 81.356** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **18, 19.690, 279.040**, and the grayscale version is **25, 0.004, 296.813**.




A 20% lighter version of the original color is **45, 20.468, 82.065**, and **5, 8.438, 68.163** is the 20% darker color. If you saturate the color by 10%, you get **24, 23.604, 80.016**, and if you desaturate by 10%, it is **26, 16.749, 82.649**.

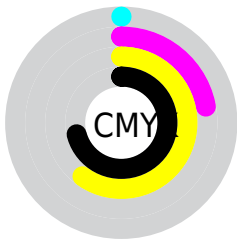
Distribution







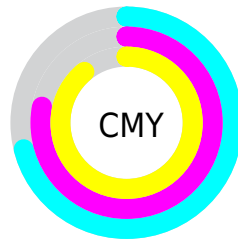
-  Red (29%)
-  Green (22%)
-  Blue (11%)






-  Red (21%)
-  Yellow (29%)
-  Blue (11%)



-  Cyan (0%)
-  Magenta (22%)
-  Yellow (60%)
-  Black (71%)



-  Cyan (71%)
-  Magenta (78%)
-  Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 20.206, 81.356 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, 20.206, 81.356 by changing the saturation by 10% instead.

■ 25, 20.206, 81.356

■ 25, 20.206, 81.356

■ 100, 20.206,
81.356

■ 15, 20.206, 81.356

■ 45, 20.206, 81.356

■ 5, 20.206, 81.356

■ 55, 20.206, 81.356

■ 0, 20.206, 81.356

■ 65, 20.206, 81.356

■ 75, 20.206, 81.356

■ 85, 20.206, 81.356

■ 95, 20.206, 81.356

■ 25, 20.206, 81.356

■ 25, 20.206, 81.356

■ 24, 23.604, 80.016

■ 26, 16.749, 82.649

■ 23, 26.824, 78.582

■ 27, 13.302, 83.900

■ 22, 29.376, 76.877

■ 28, 9.901, 85.118

■ 22, 31.648, 75.349

■ 29, 6.565, 86.302

■ 30, 3.300, 87.439

■ 31, 0.107, 87.401

■ 32, 3.017, 269.725

■ 33, 6.074, 270.746

■ 34, 9.069, 271.740

Harmonies

Complementary

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



25, 20.206, 81.356



18, 19.690, 279.040

Rectangle

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



25, 20.206, 81.356



25, 20.206, 131.356



25, 20.206, 261.356



25, 20.206, 311.356

Sweetspot

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



25, 20.206, 81.360



38, 7.179, 86.495



18, 22.975, 358.656



18, 5.040, 86.302



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



25, 20.206, 81.360



31, 29.890, 79.400



29, 26.996, 111.412



13, 1.742, 87.635



30, 41.280, 74.725



67, 75.574, 72.346

Inverse Universe

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



18, 19.690, 279.040



22, 29.393, 283.012



14, 31.242, 301.510



13, 1.739, 269.681



16, 43.821, 292.429



41, 86.470, 295.342

Previews

White Background



This preview shows how the CIELCh color 25, 20.206, 81.356 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, 20.206, 81.356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

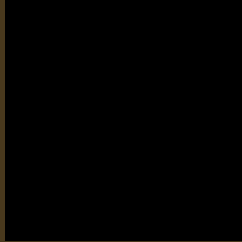
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 20.206, 81.356

Background



This preview shows how black text looks on a background with the CIELCh color 25, 20.206, 81.356.

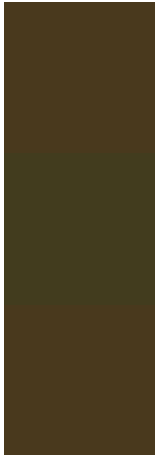


This preview shows how white text looks on a background with the CIELCh color 25, 20.206, 81.356.

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, 20.206, 81.356

Protanopia

25, 19.517, 96.820

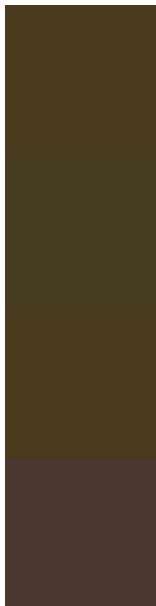
Deuteranopia

25, 20.206, 81.356



Tritanopia
25, 10.176, 6.636

Trichromacy



Original Color

25, 20.206, 81.356

Protanomaly

25, 19.466, 90.495

Deuteranomaly

25, 20.206, 81.356

Tritanomaly

25, 10.932, 49.251

Monochromacy



Original Color

25, 20.206, 81.356

Achromatopsia

24, 0.004, 296.813

Achromatomaly

25, 7.633, 89.965

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 20.206, 81.356 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(73, 57, 29)` looks like.

```
.text, #text, p{  
    color:rgb(73, 57, 29)  
}
```

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(73, 57, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 57, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 20.206, 81.356 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(73, 57, 29) }
```

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

```
.border{ border-color:rgb(73, 57, 29) }
```

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

Here you see how a box with a 4 pixel rgb(73, 57, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 57, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 57, 29);  
box-shadow:4px 4px 4px 4px rgb(73, 57, 29)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 20.206, 81.356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 57, 29) }
```

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

```
.background{ background-color: rgb(73, 57,  
29) }
```

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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