

Converting Colors

CIELCh(25, 16.325, 8.788)

Have a look what the booklet for
CIELCh(25, 16.325, 8.788) contains.

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Color

CIELCh(25, 16.074, 8.939)

Conversions

Conversions Part 1

Format	Color
Hex	533238
RGB	83, 50, 56
RGB Percent	33%, 20%, 22%
CMY	0.6742, 0.8036, 0.7801
CMYK	0.00, 0.40, 0.33, 0.67
HSL	349°, 25%, 26%
HSV	349°, 40%, 33%
XYZ	5.4327, 4.4155, 4.3159
YIQ	60.5510, 17.7420, 8.8620

Conversions

Conversions Part 2

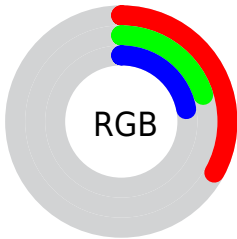
Format	Color
R_{YB}	83, 50, 56
Decimal	5452344
CIE Lab	25.00, 15.88, 2.50
CIE LCh	25, 16.074, 8.939
Yxy	4.4155, 0.3836, 0.3117
Android (android.graphics.Color)	4283642424 (0xFF533238)
YUV	60.5510, -2.2436, 19.6878
Hunter-Lab	21.0130, 9.3766, 2.5315




Details

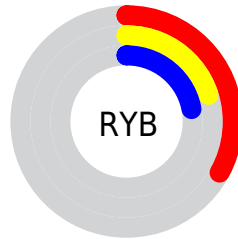
The CIELCh color **25, 16.074, 8.939** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **33, 13.663, 181.299**, and the grayscale version is **26, 0.004, 296.813**.




A 20% lighter version of the original color is **45, 16.165, 8.992**, and **5, 16.591, 7.951** is the 20% darker color. If you saturate the color by 10%, you get **23, 20.420, 10.612**, and if you desaturate by 10%, it is **27, 11.794, 7.565**.

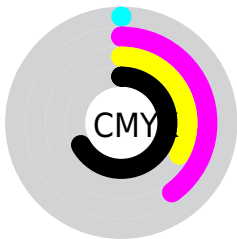
Distribution







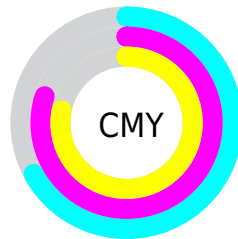
-  Red (33%)
-  Green (20%)
-  Blue (22%)






-  Red (33%)
-  Yellow (20%)
-  Blue (22%)



-  Cyan (0%)
-  Magenta (40%)
-  Yellow (33%)
-  Black (67%)



-  Cyan (67%)
-  Magenta (80%)
-  Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 16.074, 8.939 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, 16.074, 8.939 by changing the saturation by 10% instead.

 25, 16.074, 8.939  25, 16.074, 8.939

 100, 16.074, 8.939  15, 16.074, 8.939

 45, 16.074, 8.939  5, 16.074, 8.939

 55, 16.074, 8.939  0, 16.074, 8.939

 65, 16.074, 8.939

 75, 16.074, 8.939

 85, 16.074, 8.939

 95, 16.074, 8.939

 25, 16.074, 8.939  25, 16.074, 8.939

 23, 20.420, 10.612  27, 11.794, 7.565

21, 24.734, 12.666

30, 7.650, 6.408

19, 28.884, 15.215

33, 3.681, 5.398

17, 32.735, 18.372

35, 0.098, 187.433

16, 36.194, 22.188

38, 3.684, 183.981

15, 39.541, 24.772

41, 7.083, 183.302

15, 39.629, 24.809

44, 10.307,
182.716

46, 13.371,
182.195

49, 16.288,
181.724

Harmonies

Complementary

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



25, 16.074, 8.939



33, 13.663, 181.299

Rectangle

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



25, 16.074, 8.939



25, 16.074, 58.939



25, 16.074, 188.939



25, 16.074, 238.939

Sweetspot

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



25, 16.073, 8.942



41, 5.638, 5.659



25, 24.191, 320.917



20, 3.701, 5.715



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



25, 16.073, 8.942



30, 24.307, 10.589



28, 13.214, 51.277



15, 2.078, 5.297



20, 47.509, 27.585



49, 88.280, 31.629

Inverse Universe

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



25, 16.073, 8.942



30, 24.307, 10.589



29, 10.638, 237.821



15, 2.078, 5.297



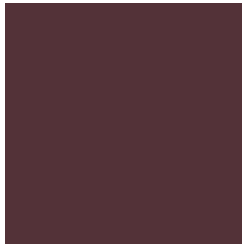
20, 47.509, 27.585



49, 88.280, 31.629

Previews

White Background



This preview shows how the CIE LCh color 25, 16.074, 8.939 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 25, 16.074, 8.939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

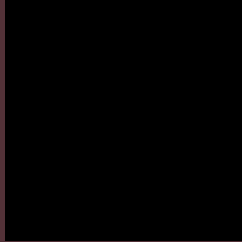
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 16.074, 8.939

Background



This preview shows how black text looks on a background with the CIELCh color 25, 16.074, 8.939.



This preview shows how white text looks on a background with the CIELCh color 25, 16.074, 8.939.

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, 16.074, 8.939

Protanopia

25, 1.401, 309.155

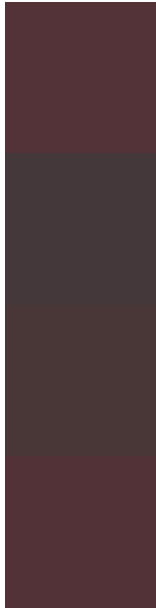
Deuteranopia

25, 4.691, 44.733



Tritanopia
25, 16.012, 13.559

Trichromacy



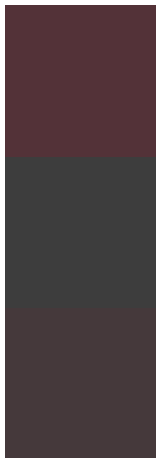
Original Color
25, 16.074, 8.939

Protanomaly
25, 5.891, 1.035

Deuteranomaly
25, 8.584, 21.031

Tritanomaly
25, 16.029, 11.244

Monochromacy



Original Color
25, 16.074, 8.939

Achromatopsia
26, 0.004, 296.813

Achromatomaly
25, 5.717, 7.265

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 16.074, 8.939 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(83, 50, 56)` looks like.

```
.text, #text, p{  
    color:rgb(83, 50, 56)  
}
```

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(83, 50, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 50, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 16.074, 8.939 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(83, 50, 56) }
```

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

```
.border{ border-color:rgb(83, 50, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 50, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 50, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 50, 56);  
box-shadow:4px 4px 4px 4px rgb(83, 50, 56)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 16.074, 8.939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 50, 56) }
```

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

```
.background{ background-color: rgb(83, 50,  
56) }
```

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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