

Converting Colors

CIELCh(25, 27.920, 317.793)

Have a look what the booklet for
CIELCh(25, 27.920, 317.793)
contains.

CIELCh(25, 27.632, 317.227)	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(25, 27.632, 317.227)

Conversions

Conversions Part 1

Format	Color
Hex	4C3158
RGB	76, 49, 88
RGB Percent	30%, 19%, 35%
CMY	0.7026, 0.8084, 0.6555
CMYK	0.14, 0.44, 0.00, 0.66
HSL	282°, 29%, 27%
HSV	282°, 44%, 34%
XYZ	5.8140, 4.4155, 9.7426
YIQ	61.5190, 3.5730, 17.8530

Conversions

Conversions Part 2

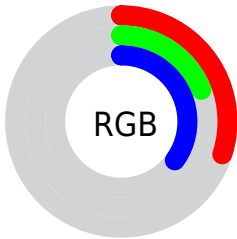
Format	Color
R_{YB}	76, 49, 88
Decimal	4993368
CIE _{Lab}	25.00, 20.28, -18.76
CIE _{LCh}	25, 27.632, 317.227
Yxy	4.4155, 0.2911, 0.2211
Android (android.graphics.Color)	4283183448 (0xFF4C3158)
YUV	61.5190, 13.0551, 12.6998
Hunter-Lab	21.0130, 12.6156, -12.7805




Details

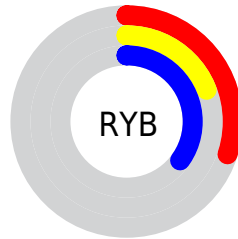
The CIELCh color $25, 27.632, 317.227$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $34, 26.781, 133.467$, and the grayscale version is $26, 0.004, 296.813$.




A 20% lighter version of the original color is $45, 27.513, 317.445$, and $5, 27.095, 317.147$ is the 20% darker color. If you saturate the color by 10%, you get $22, 33.750, 317.573$, and if you desaturate by 10%, it is $28, 21.359, 316.841$.

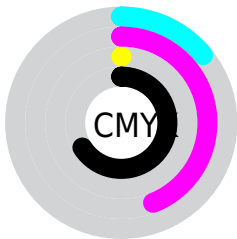
Distribution







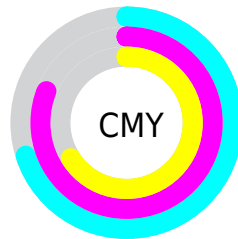
-  Red (30%)
-  Green (19%)
-  Blue (35%)






-  Red (30%)
-  Yellow (19%)
-  Blue (35%)



-  Cyan (14%)
-  Magenta (44%)
-  Yellow (0%)
-  Black (66%)





-  Cyan (70%)
-  Magenta (81%)
-  Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 27.632, 317.227 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, 27.632, 317.227 by changing the saturation by 10% instead.

 25, 27.632,
317.227


 25, 27.632,
317.227

 100, 27.632,
317.227


 15, 27.632,
317.227


 45, 27.632,
317.227


 5, 27.632, 317.227

 55, 27.632,
317.227

 0, 27.632, 317.227

 65, 27.632,
317.227

 75, 27.632,
317.227

 85, 27.632,
317.227

 95, 27.632,

317.227

■ 25, 27.632,
317.227

■ 25, 27.632,
317.227

■ 22, 33.750,
317.573

■ 28, 21.359,
316.841

■ 20, 39.542,
317.846

■ 30, 15.058,
316.437

■ 18, 44.775,
318.003

■ 33, 8.808, 316.032

■ 36, 2.661, 315.617

■ 16, 49.173,
317.996

■ 39, 3.354, 135.313

■ 15, 52.758,
317.844

■ 42, 9.220, 134.948

■ 14, 54.915,
317.825

■ 45, 14.931,
134.623

■ 48, 20.486,
134.327

■ 50, 25.887,
134.057

Harmonies

Complementary

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



25, 27.632, 317.227



34, 26.781, 133.467

Rectangle

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



25, 27.632, 317.227



25, 27.632, 7.227



25, 27.632, 137.227



25, 27.632, 187.227

Sweetspot

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



25, 27.631, 317.227



44, 9.913, 315.993



26, 17.816, 279.277



21, 7.002, 316.055



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



25, 27.631, 317.227



30, 40.990, 317.585



26, 25.948, 332.572



16, 3.371, 315.803



18, 63.160, 317.593



44, 112.689, 316.974

Inverse Universe

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



26, 19.441, 0.392



31, 28.979, 2.186



34, 25.908, 146.592



16, 2.310, 356.111



21, 45.507, 17.281



50, 82.436, 21.361

Previews

White Background



This preview shows how the CIE LCh color 25, 27.632, 317.227 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, 27.632, 317.227 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, 27.632, 317.227

Background



This preview shows how black text looks on a background with the CIELCh color 25, 27.632, 317.227.



This preview shows how white text looks on a background with the CIELCh color 25, 27.632, 317.227.

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, 27.632, 317.227

Protanopia

25, 25.162, 285.466

Deuteranopia

25, 17.992, 282.191



Tritanopia
25, 8.510, 358.524

Trichromacy



Original Color
25, 27.632, 317.227

Protanomaly
25, 25.087, 295.957

Deuteranomaly
25, 21.235, 298.444

Tritanomaly
25, 14.190, 330.322

Monochromacy



Original Color
25, 27.632, 317.227

Achromatopsia
26, 0.004, 296.813

Achromatomaly
25, 10.044, 314.634

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 27.632, 317.227 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(76, 49, 88)` looks like.

```
.text, #text, p{  
    color:rgb(76, 49, 88)  
}
```

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(76, 49, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 49, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 27.632, 317.227 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(76, 49, 88) }
```

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

```
.border{ border-color:rgb(76, 49, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 49, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 49, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 49, 88);  
box-shadow:4px 4px 4px 4px rgb(76, 49, 88)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 27.632, 317.227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 49, 88) }
```

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

```
.background{ background-color: rgb(76, 49,  
88) }
```

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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