

Converting Colors

CIELCh(45, 78.354, 25.642)

Have a look what the booklet for
CIELCh(45, 78.354, 25.642) contains.

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Color

CIELCh(45, 78.255, 25.625)

Conversions

Conversions Part 1

Format	Color
Hex	D50537
RGB	213, 5, 55
RGB Percent	84%, 2%, 22%
CMY	0.1645, 0.9796, 0.7842
CMYK	0.00, 0.98, 0.74, 0.16
HSL	346°, 95%, 43%
HSV	346°, 98%, 84%
XYZ	28.2016, 14.5417, 4.9393
YIQ	72.8920, 107.9180, 59.6460

Conversions

Conversions Part 2

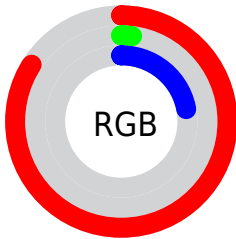
Format	Color
R_{YB}	213, 5, 55
Decimal	13960503
CIE _{Lab}	45.00, 70.56, 33.84
CIE _{LCh}	45, 78.255, 25.625
Yxy	14.5417, 0.5914, 0.3050
Android (android.graphics.Color)	4292150583 (0xFFD50537)
YUV	72.8920, -8.8208, 122.8747
Hunter-Lab	38.1336, 65.2754, 19.0139

Details

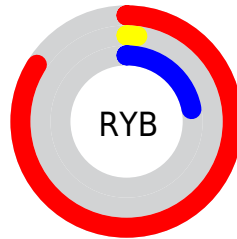
The CIELCh color **45, 78.255, 25.625** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **76, 56.712, 167.277**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 69.509, 23.707**, and **30, 66.063, 35.370** is the 20% darker color. If you saturate the color by 10%, you get **45, 79.479, 26.907**, and if you desaturate by 10%, it is **46, 73.221, 20.275**.

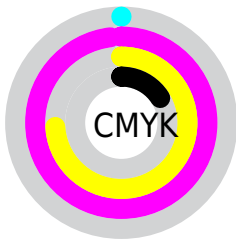
Distribution



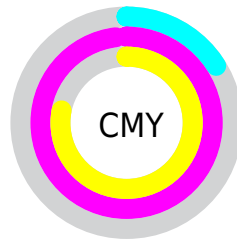
- Red (84%)
- Green (2%)
- Blue (22%)



- Red (84%)
- Yellow (2%)
- Blue (22%)



- Cyan (0%)
- Magenta (98%)
- Yellow (74%)
- Black (16%)



- Cyan (16%)
- Magenta (98%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 78.255, 25.625 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 45, 78.255, 25.625 by changing the saturation by 10% instead.

 45, 78.255, 25.625

 45, 78.255, 25.625

 100, 78.255,
25.625

 35, 78.255, 25.625

 65, 78.255, 25.625

 25, 78.255, 25.625

 75, 78.255, 25.625

 15, 78.255, 25.625

 85, 78.255, 25.625

 5, 78.255, 25.625

 95, 78.255, 25.625


 0, 78.255, 25.625

 45, 78.255, 25.625

 45, 78.255, 25.625

 45, 79.479, 26.907

 46, 73.221, 20.275

 48, 67.147, 15.671

■ 51, 59.859, 11.948

■ 55, 51.541, 9.002

■ 59, 42.555, 6.673

■ 64, 33.280, 4.808

■ 70, 24.022, 3.285

■ 75, 14.990, 2.011

■ 81, 6.304, 0.895

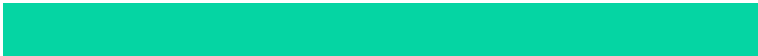
Harmonies

Complementary

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



45, 78.255, 25.625



76, 56.712, 167.277

Rectangle

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



45, 78.255, 25.625



45, 78.255, 75.625



45, 78.255, 205.625



45, 78.255, 255.625

Sweetspot

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



45, 78.252, 25.627



81, 29.340, 3.529



42, 102.994, 319.047



40, 20.281, 4.171



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



45, 78.252, 25.627



54, 91.470, 27.540



48, 83.289, 45.026



42, 4.775, 1.099



36, 66.954, 25.963



5, 22.123, 9.116

Inverse Universe

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



45, 78.252, 25.627



54, 91.470, 27.540



62, 39.677, 245.634



42, 4.775, 1.099



36, 66.954, 25.963



5, 22.123, 9.116

Previews

White Background



This preview shows how the CIELCh color 45, 78.255, 25.625 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 × Fail

Black Background



This preview shows how the CIELCh color 45, 78.255, 25.625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 78.255, 25.625

Background



This preview shows how black text looks on a background with the CIELCh color 45, 78.255, 25.625.



This preview shows how white text looks on a background with the CIELCh color 45, 78.255, 25.625.

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

45, 78.255, 25.625

Protanopia

46, 15.194, 94.468

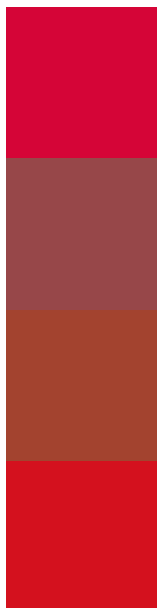
Deuteranopia

46, 38.276, 80.916



Tritanopia
45, 86.235, 38.658

Trichromacy



Original Color
45, 78.255, 25.625

Protanomaly
41, 36.819, 23.714

Deuteranomaly
41, 49.871, 39.543

Tritanomaly
45, 83.386, 34.867

Monochromacy



Original Color
45, 78.255, 25.625

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 35.264, 9.526

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 78.255, 25.625 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(213, 5, 55)` looks like.

```
.text, #text, p{  
    color:rgb(213, 5, 55)  
}
```

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(213, 5, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 5, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 78.255, 25.625 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(213, 5, 55) }
```

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

```
.border{ border-color:rgb(213, 5, 55) }
```

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

Here you see how a box with a 4 pixel rgb(213, 5, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 5, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 5, 55);  
box-shadow:4px 4px 4px 4px rgb(213, 5, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 78.255, 25.625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 5, 55) }
```

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

```
.background{ background-color: rgb(213, 5,  
55) }
```

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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