

Converting Colors

CIELCh(25, 9.701, 12.566)

Have a look what the booklet for
CIELCh(25, 9.701, 12.566) contains.

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Color

CIELCh(25, 9.562, 13.475)

Conversions

Conversions Part 1

Format	Color
Hex	4A3638
RGB	74, 54, 56
RGB Percent	29%, 21%, 22%
CMY	0.7088, 0.7873, 0.7794
CMYK	0.00, 0.27, 0.24, 0.71
HSL	354°, 16%, 25%
HSV	354°, 27%, 29%
XYZ	4.8947, 4.4155, 4.3673
YIQ	60.2080, 11.2780, 4.8620

Conversions

Conversions Part 2

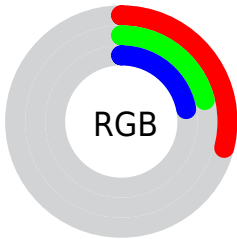
Format	Color
RYB	74, 54, 56
Decimal	4863544
CIELab	25.00, 9.30, 2.23
CIELCh	25, 9.562, 13.475
Yxy	4.4155, 0.3579, 0.3228
Android (android.graphics.Color)	4283053624 (0xFF4A3638)
YUV	60.2080, -2.0745, 12.0956
Hunter-Lab	21.0130, 4.8065, 2.3865

Details

The CIELCh color **25, 9.562, 13.475** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **30, 8.393, 189.318**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 9.404, 13.369**, and **5, 9.850, 11.731** is the 20% darker color. If you saturate the color by 10%, you get **23, 13.459, 14.705**, and if you desaturate by 10%, it is **27, 5.845, 12.461**.

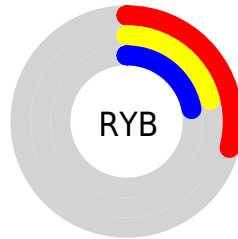
Distribution



 Red (29%)

 Green (21%)

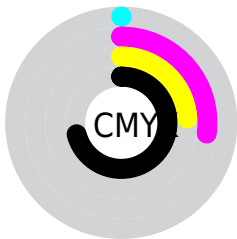
 Blue (22%)



 Red (29%)

 Yellow (21%)

 Blue (22%)

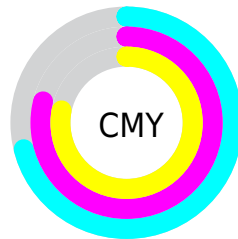


 Cyan (0%)


 Magenta (27%)

 Yellow (24%)

 Black (71%)



 Cyan (71%)

 Magenta (79%)

 Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 9.562, 13.475 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, 9.562, 13.475 by changing the saturation by 10% instead.

 25, 9.562, 13.475  25, 9.562, 13.475

 100, 9.562, 13.475  15, 9.562, 13.475

 45, 9.562, 13.475  5, 9.562, 13.475

 55, 9.562, 13.475  0, 9.562, 13.475

 65, 9.562, 13.475

 75, 9.562, 13.475

 85, 9.562, 13.475

 95, 9.562, 13.475

 25, 9.562, 13.475  25, 9.562, 13.475

 23, 13.459, 14.705  27, 5.845, 12.461

■ 21, 17.499, 16.204

■ 30, 2.327, 11.556

■ 18, 21.615, 18.062

■ 32, 0.989, 191.228

■ 17, 25.714, 20.371

■ 35, 4.111, 190.420

■ 15, 29.682, 23.223

■ 37, 7.052, 189.867

■ 14, 33.172, 25.838

■ 40, 9.826, 189.396

■ 13, 36.153, 26.638

■ 42, 12.449,
188.983

■ 12, 37.055, 26.584

■ 45, 14.936,
188.616

■ 48, 17.302,
188.287

Harmonies

Complementary

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



25, 9.562, 13.475



30, 8.393, 189.318

Rectangle

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



25, 9.562, 13.475



25, 9.562, 63.475



25, 9.562, 193.475



25, 9.562, 243.475

Sweetspot

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



25, 9.561, 13.480



39, 3.353, 11.680



25, 15.259, 322.880



18, 2.357, 11.762



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, 9.561, 13.480



31, 14.393, 14.221



27, 7.799, 61.438



14, 1.925, 11.715



19, 48.455, 31.912



48, 92.256, 36.471

Inverse Universe

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



25, 9.561, 13.480



31, 14.393, 14.221



27, 7.011, 247.051



14, 1.925, 11.715



19, 48.455, 31.912



48, 92.256, 36.471

Previews

White Background



This preview shows how the CIELCh color 25, 9.562, 13.475 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, 9.562, 13.475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

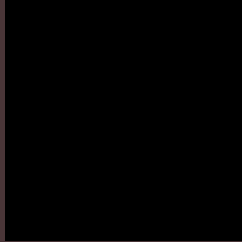
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 9.562, 13.475

Background



This preview shows how black text looks on a background with the CIELCh color 25, 9.562, 13.475.

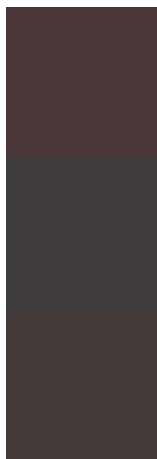


This preview shows how white text looks on a background with the CIELCh color 25, 9.562, 13.475.

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, 9.562, 13.475

Protanopia

25, 0.911, 19.315

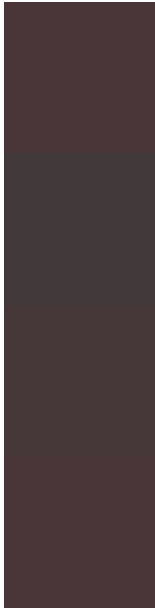
Deuteranopia

25, 4.745, 28.128



Tritanopia
25, 9.714, 5.796

Trichromacy



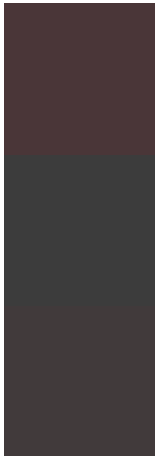
Original Color
25, 9.562, 13.475

Protanomaly
25, 4.225, 11.238

Deuteranomaly
25, 6.612, 20.625

Tritanomaly
25, 9.615, 9.603

Monochromacy



Original Color
25, 9.562, 13.475

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 3.291, 8.473

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 9.562, 13.475 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(74, 54, 56)` looks like.

```
.text, #text, p{  
  color:rgb(74, 54, 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(74, 54, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 54, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 9.562, 13.475 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(74, 54, 56) }
```

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

```
.border{ border-color:rgb(74, 54, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 54, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 54, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 54, 56);  
box-shadow:4px 4px 4px 4px rgb(74, 54, 56)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 9.562, 13.475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 54, 56) }
```

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

```
.background{ background-color: rgb(74, 54,  
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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