

Converting Colors

CIELCh(25, 7.848, 345.175)

Have a look what the booklet for
CIELCh(25, 7.848, 345.175) contains.

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Color

CIELCh(25, 7.869, 345.196)

Conversions

Conversions Part 1

Format	Color
Hex	46373E
RGB	70, 55, 62
RGB Percent	27%, 22%, 24%
CMY	0.7274, 0.7824, 0.7549
CMYK	0.00, 0.20, 0.10, 0.73
HSL	330°, 11%, 25%
HSV	330°, 20%, 27%
XYZ	4.7624, 4.4155, 5.2297
YIQ	60.2830, 6.6930, 5.3570

Conversions

Conversions Part 2

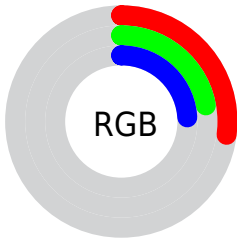
Format	Color
R_{YB}	70, 55, 62
Decimal	4601662
CIE Lab	25.00, 7.61, -2.01
CIE LCh	25, 7.869, 345.196
Yxy	4.4155, 0.3305, 0.3065
Android (android.graphics.Color)	4282791742 (0xFF46373E)
YUV	60.2830, 0.8465, 8.5218
Hunter-Lab	21.0130, 3.6829, -0.0470

Details

The CIELCh color **25, 7.869, 345.196** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **28, 7.693, 162.125**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 7.834, 348.289**, and **5, 8.032, 346.102** is the 20% darker color. If you saturate the color by 10%, you get **23, 11.847, 346.100**, and if you desaturate by 10%, it is **27, 3.928, 344.365**.

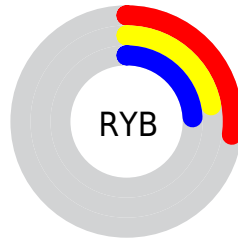
Distribution



Red (27%)

Green (22%)

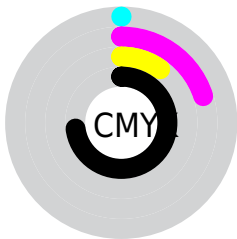
Blue (24%)



Red (27%)

Yellow (22%)

Blue (24%)

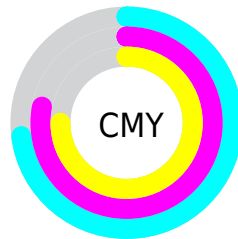


Cyan (0%)

Magenta (20%)

Yellow (10%)

Black (73%)



Cyan (73%)

Magenta (78%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 7.869, 345.196 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, 7.869, 345.196 by changing the saturation by 10% instead.

■ 25, 7.869, 345.196

■ 25, 7.869, 345.196

■ 100, 7.869,
345.196

■ 15, 7.869, 345.196

■ 45, 7.869, 345.196

■ 5, 7.869, 345.196

■ 55, 7.869, 345.196

■ 0, 7.869, 345.196

■ 65, 7.869, 345.196

■ 75, 7.869, 345.196

■ 85, 7.869, 345.196

■ 95, 7.869, 345.196

■ 25, 7.869, 345.196

■ 25, 7.869, 345.196

23, 11.847,
346.100

27, 3.928, 344.365

21, 15.806,
347.105

29, 0.068, 340.849

32, 3.692, 163.047

19, 19.657,
348.243

34, 7.340, 162.393

17, 23.279,
349.560

36, 10.873,
161.799

15, 26.524,
351.114

39, 14.291,
161.250

14, 29.231,
352.986

41, 17.599,
160.738

13, 31.369,
355.190

43, 20.803,
160.258

12, 33.666,
357.136

46, 23.910,
159.808

Harmonies

Complementary

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



25, 7.869, 345.196



28, 7.693, 162.125

Rectangle

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



25, 7.869, 345.196



25, 7.869, 35.196



25, 7.869, 165.196



25, 7.869, 215.196

Sweetspot

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



25, 7.868, 345.198



36, 2.841, 344.036



24, 9.802, 309.895



18, 1.901, 344.054



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



25, 7.868, 345.198



31, 11.565, 345.617



25, 6.632, 20.636



13, 2.198, 344.239



20, 42.728, 359.332



49, 77.524, 2.651

Inverse Universe

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



25, 7.868, 345.198



31, 11.565, 345.617



28, 5.903, 198.504



13, 2.198, 344.239



20, 42.728, 359.332



49, 77.524, 2.651

Previews

White Background



This preview shows how the CIELCh color 25, 7.869, 345.196 looks on a white background.

Color Contrast Check

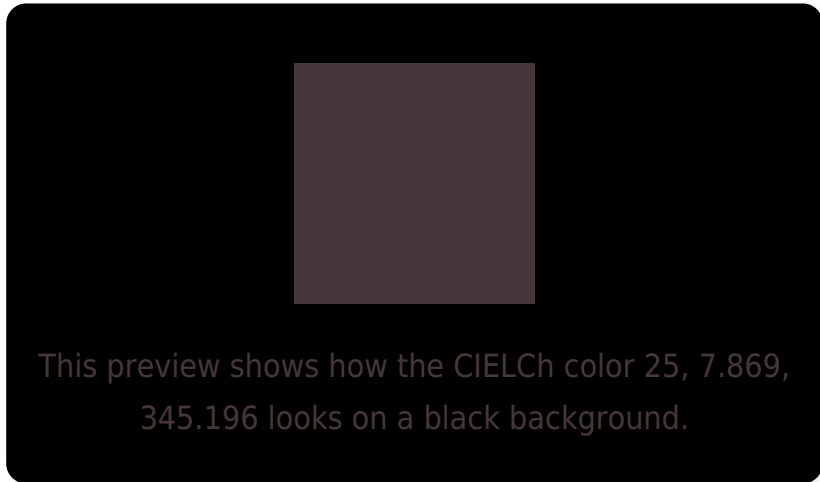
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

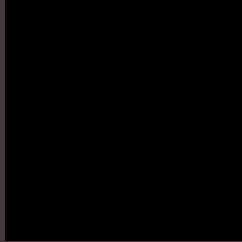
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 7.869, 345.196

Background



This preview shows how black text looks on a background with the CIELCh color 25, 7.869, 345.196.

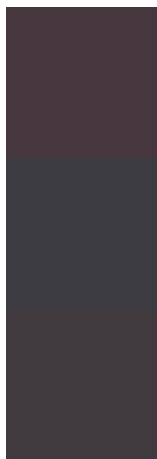


This preview shows how white text looks on a background with the CIELCh color 25, 7.869, 345.196.

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, 8.245, 347.191

Protanopia

25, 3.956, 291.008

Deuteranopia

25, 3.795, 336.201



Tritanopia
25, 6.541, 357.062

Trichromacy



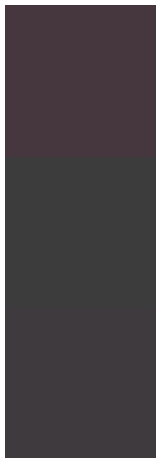
Original Color
25, 8.245, 347.191

Protanomaly
25, 4.562, 320.148

Deuteranomaly
25, 5.257, 341.700

Tritanomaly
25, 6.805, 351.942

Monochromacy



Original Color
25, 8.245, 347.191

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 3.020, 339.096

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 7.869, 345.196 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(70, 55, 62)` looks like.

```
.text, #text, p{  
    color:rgb(70, 55, 62)  
}
```

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(70, 55, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 55, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 7.869, 345.196 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(70, 55, 62) }
```

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

```
.border{ border-color:rgb(70, 55, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 55, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 55, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 55, 62);  
box-shadow:4px 4px 4px 4px rgb(70, 55, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 7.869, 345.196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 55, 62) }
```

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

```
.background{ background-color: rgb(70, 55,  
62) }
```

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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