

Converting Colors

CIELCh(36, 26.309, 85.082)

Have a look what the booklet for
CIELCh(36, 26.309, 85.082) contains.

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Color

CIELCh(36, 26.299, 84.753)

Conversions

Conversions Part 1

Format	Color
Hex	65522A
RGB	101, 82, 42
RGB Percent	40%, 32%, 16%
CMY	0.6032, 0.6777, 0.8346
CMYK	0.00, 0.19, 0.58, 0.60
HSL	41°, 41%, 28%
HSV	41°, 58%, 40%
XYZ	8.8406, 9.0082, 3.4794
YIQ	83.1210, 24.1640, -8.4120

Conversions

Conversions Part 2

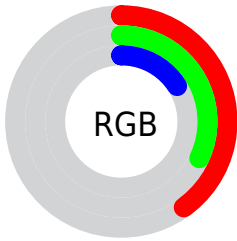
Format	Color
R_{YB}	70, 101, 42
Decimal	6640170
CIE _{Lab}	36.00, 2.41, 26.19
CIE _{LCh}	36, 26.299, 84.753
Yxy	9.0082, 0.4145, 0.4224
Android (android.graphics.Color)	4284830250 (0xFF65522A)
YUV	83.1210, -20.2727, 15.6799
Hunter-Lab	30.0136, 0.0538, 14.1362

Details

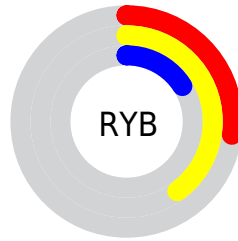
The CIELCh color **36, 26.299, 84.753** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **26, 26.490, 282.354**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 26.090, 84.010**, and **16, 23.535, 81.560** is the 20% darker color. If you saturate the color by 10%, you get **35, 30.727, 83.371**, and if you desaturate by 10%, it is **37, 21.728, 86.087**.

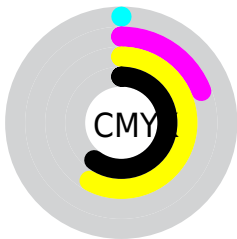
Distribution



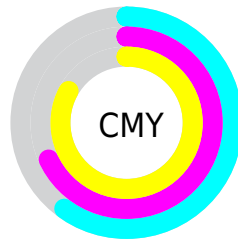
- Red (40%)
- Green (32%)
- Blue (16%)



- Red (27%)
- Yellow (40%)
- Blue (16%)



- Cyan (0%)
- Magenta (19%)
- Yellow (58%)
- Black (60%)



- Cyan (60%)
- Magenta (68%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 26.299, 84.753 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 36, 26.299, 84.753 by changing the saturation by 10% instead.

■ 36, 26.299, 84.753

■ 36, 26.299, 84.753

■ 100, 26.299,
84.753

■ 26, 26.299, 84.753

■ 56, 26.299, 84.753

■ 16, 26.299, 84.753

■ 66, 26.299, 84.753

■ 6, 26.299, 84.753

■ 76, 26.299, 84.753

■ 0, 26.299, 84.753

■ 86, 26.299, 84.753

■ 96, 26.299, 84.753

■ 36, 26.299, 84.753

■ 36, 26.299, 84.753

■ 35, 30.727, 83.371

■ 37, 21.728, 86.087

34, 34.819, 81.893

38, 17.127, 87.378

33, 38.268, 80.248

39, 12.557, 88.633

32, 41.391, 78.599

41, 8.050, 89.851

32, 42.007, 78.371

42, 3.620, 91.016

43, 0.728, 272.397

44, 4.995, 273.333

46, 9.184, 274.378

47, 13.300,
275.386

Harmonies

Complementary

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



36, 26.299, 84.753



26, 26.490, 282.354

Rectangle

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



36, 26.299, 84.753



36, 26.299, 134.753



36, 26.299, 264.753



36, 26.299, 314.753

Sweetspot

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



36, 26.299, 84.757



53, 9.318, 89.949



26, 28.851, 1.219



26, 6.190, 89.794



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



36, 26.299, 84.757



45, 39.189, 82.830



41, 34.318, 112.910



21, 2.459, 90.948



36, 45.887, 77.954



73, 79.421, 76.185

Inverse Universe

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



26, 26.490, 282.354



31, 40.278, 286.231



21, 39.656, 302.456



20, 2.462, 273.123



18, 52.808, 295.638



41, 97.468, 297.821

Previews

White Background



This preview shows how the CIELCh color 36, 26.299, 84.753 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 36, 26.299, 84.753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

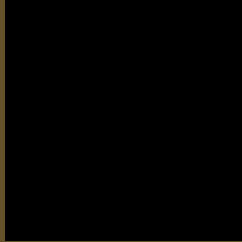
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 26.299, 84.753

Background



This preview shows how black text looks on a background with the CIELCh color 36, 26.299, 84.753.



This preview shows how white text looks on a background with the CIELCh color 36, 26.299, 84.753.

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

36, 26.299, 84.753

Protanopia

36, 25.773, 95.923

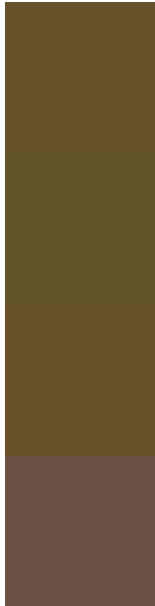
Deuteranopia

36, 26.175, 80.006



Tritanopia
36, 12.420, 4.128

Trichromacy



Original Color
36, 26.299, 84.753

Protanomaly
36, 25.728, 91.393

Deuteranomaly
36, 25.933, 80.981

Tritanomaly
36, 13.247, 51.257

Monochromacy



Original Color
36, 26.299, 84.753

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 9.835, 89.467

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 26.299, 84.753 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(101, 82, 42)` looks like.

```
.text, #text, p{  
    color:rgb(101, 82, 42)  
}
```

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(101, 82, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 82, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 26.299, 84.753 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(101, 82, 42) }
```

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

```
.border{ border-color:rgb(101, 82, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 82, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 82, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 82, 42);  
box-shadow:4px 4px 4px 4px rgb(101, 82,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 26.299, 84.753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 82, 42) }
```

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

```
.background{ background-color: rgb(101, 82,  
42) }
```

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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