

Converting Colors

CIELCh(36, 13.745, 59.027)

Have a look what the booklet for
CIELCh(36, 13.745, 59.027) contains.

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Color

CIELCh(36, 13.661, 59.364)

Conversions

Conversions Part 1

Format	Color
Hex	665042
RGB	102, 80, 66
RGB Percent	40%, 31%, 26%
CMY	0.5990, 0.6853, 0.7403
CMYK	0.00, 0.22, 0.35, 0.60
HSL	23°, 21%, 33%
HSV	23°, 35%, 40%
XYZ	9.3848, 9.0082, 6.4343
YIQ	84.9820, 17.6060, 0.3100

Conversions

Conversions Part 2

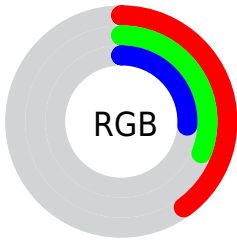
Format	Color
R_{YB}	102, 89, 66
Decimal	6705218
CIE _{Lab}	36.00, 6.96, 11.75
CIE _{LCh}	36, 13.661, 59.364
Yxy	9.0082, 0.3780, 0.3628
Android (android.graphics.Color)	4284895298 (0xFF665042)
YUV	84.9820, -9.3581, 14.9248
Hunter-Lab	30.0136, 3.2904, 8.2990

Details

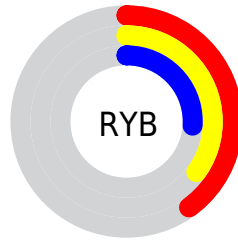
The CIELCh color **36, 13.661, 59.364** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **36, 11.667, 247.159**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 13.721, 58.490**, and **16, 13.775, 61.152** is the 20% darker color. If you saturate the color by 10%, you get **34, 18.098, 58.551**, and if you desaturate by 10%, it is **38, 9.482, 60.228**.

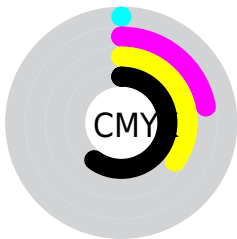
Distribution



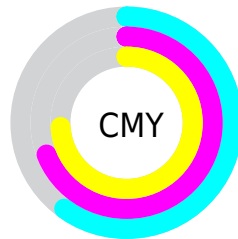
- Red (40%)
- Green (31%)
- Blue (26%)



- Red (40%)
- Yellow (35%)
- Blue (26%)



- Cyan (0%)
- Magenta (22%)
- Yellow (35%)
- Black (60%)



- Cyan (60%)
- Magenta (69%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 13.661, 59.364 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, 13.661, 59.364 by changing the saturation by 10% instead.

■ 36, 13.661, 59.364

■ 36, 13.661, 59.364

■ 100, 13.661,
59.364

■ 26, 13.661, 59.364

■ 56, 13.661, 59.364

■ 16, 13.661, 59.364

■ 66, 13.661, 59.364

■ 6, 13.661, 59.364

■ 76, 13.661, 59.364

■ 0, 13.661, 59.364

■ 86, 13.661, 59.364

■ 96, 13.661, 59.364

■ 36, 13.661, 59.364

■ 36, 13.661, 59.364

■ 34, 18.098, 58.551

■ 38, 9.482, 60.228

■ 32, 22.789, 57.774

■ 40, 5.550, 61.104

■ 30, 27.701, 57.029

■ 42, 1.848, 61.920

■ 29, 32.740, 56.274

■ 44, 1.647, 243.162

■ 27, 37.700, 55.395

■ 46, 4.955, 243.973

■ 25, 42.084, 54.100

■ 49, 8.097, 244.864

■ 25, 44.061, 53.545

■ 51, 11.093,
245.753

■ 53, 13.958,
246.624

■ 55, 16.710,
247.473

Harmonies

Complementary

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



36, 13.661, 59.364



36, 11.667, 247.159

Rectangle

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



36, 13.661, 59.364



36, 13.661, 109.364



36, 13.661, 239.364



36, 13.661, 289.364

Sweetspot

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



36, 13.661, 59.371



53, 4.905, 61.443



33, 20.533, 340.560



26, 3.278, 61.366



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, 13.661, 59.371



45, 20.674, 58.715



41, 19.122, 101.410



20, 2.003, 61.643



28, 48.737, 53.637



59, 87.109, 51.757

Inverse Universe

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



36, 11.667, 247.159



45, 16.938, 248.687



31, 20.309, 289.494



20, 1.937, 243.532



28, 30.962, 268.424



60, 56.168, 271.725

Previews

White Background



This preview shows how the CIELCh color 36, 13.661, 59.364 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 CIELCh color 36, 13.661, 59.364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

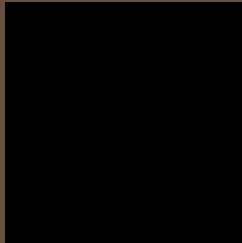
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 13.661, 59.364

Background



This preview shows how black text looks on a background with the CIELCh color 36, 13.661, 59.364.

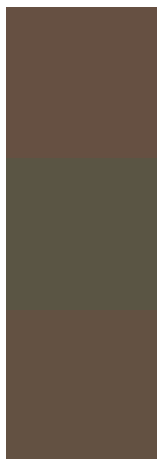


This preview shows how white text looks on a background with the CIELCh color 36, 13.661, 59.364.

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, 13.661, 59.364

Protanopia

36, 10.728, 96.043

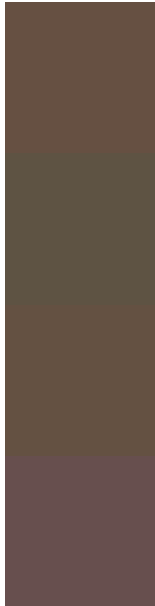
Deuteranopia

36, 12.666, 66.735



Tritanopia
36, 11.993, 3.403

Trichromacy



Original Color

36, 13.661, 59.364

Protanomaly

36, 11.170, 81.263

Deuteranomaly

36, 13.001, 65.215

Tritanomaly

36, 10.850, 24.235

Monochromacy



Original Color

36, 13.661, 59.364

Achromatopsia

36, 0.005, 296.813

Achromatomaly

36, 4.709, 60.698

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 13.661, 59.364 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(102, 80, 66)` looks like.

```
.text, #text, p{  
    color:rgb(102, 80, 66)  
}
```

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(102, 80, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 80, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 13.661, 59.364 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(102, 80, 66) }
```

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

```
.border{ border-color:rgb(102, 80, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 80, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 80, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 80, 66);  
box-shadow:4px 4px 4px 4px rgb(102, 80,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 13.661, 59.364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 80, 66) }
```

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

```
.background{ background-color: rgb(102, 80,  
66) }
```

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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