

Converting Colors

CIELCh(36, 15.656, 115.452)

Have a look what the booklet for
CIELCh(36, 15.656, 115.452)
contains.

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Color

CIELCh(36, 15.424, 114.509)

Conversions

Conversions Part 1

Format	Color
Hex	53573E
RGB	83, 87, 62
RGB Percent	33%, 34%, 24%
CMY	0.6744, 0.6587, 0.7568
CMYK	0.05, 0.00, 0.29, 0.66
HSL	70°, 17%, 29%
HSV	70°, 29%, 34%
XYZ	7.8495, 9.0082, 5.8857
YIQ	82.9540, 5.6410, -8.6230

Conversions

Conversions Part 2

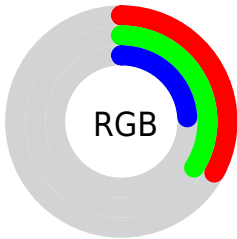
Format	Color
RYB	62, 87, 66
Decimal	5461822
CIELab	36.00, -6.40, 14.03
CIElCh	36, 15.424, 114.509
Yxy	9.0082, 0.3451, 0.3961
Android (android.graphics.Color)	4283651902 (0xFF53573E)
YUV	82.9540, -10.3303, 0.0403
Hunter-Lab	30.0136, -5.8406, 9.3827

Details

The CIELCh color **36, 15.424, 114.509** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **28, 16.375, 298.758**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 15.407, 114.562**, and **16, 15.737, 113.898** is the 20% darker color. If you saturate the color by 10%, you get **36, 20.654, 113.845**, and if you desaturate by 10%, it is **36, 10.097, 115.192**.

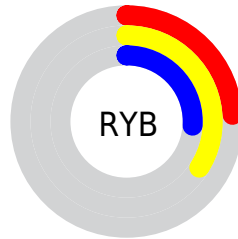
Distribution



Red (33%)

Green (34%)

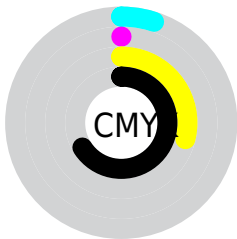
Blue (24%)



Red (24%)

Yellow (34%)

Blue (26%)

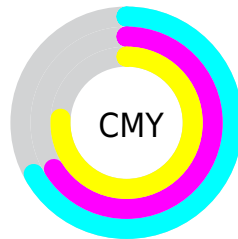


Cyan (5%)

Magenta (0%)

Yellow (29%)

Black (66%)



Cyan (67%)


Magenta (66%)


Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 15.424, 114.509 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, 15.424, 114.509 by changing the saturation by 10% instead.


 36, 15.424,
114.509


 36, 15.424,
114.509

 100, 15.424,
114.509


 26, 15.424,
114.509

 56, 15.424,
114.509


 16, 15.424,
114.509


 66, 15.424,
114.509

 6, 15.424, 114.509

 76, 15.424,
114.509

 0, 15.424, 114.509

 86, 15.424,
114.509

 96, 15.424,
114.509

■ 36, 15.424,
114.509

■ 36, 15.424,
114.509

■ 36, 20.654,
113.845

■ 36, 10.097,
115.192

■ 35, 25.720,
113.212

■ 37, 4.714, 115.869

■ 35, 30.526,
112.645

■ 37, 0.693, 296.535

■ 37, 6.102, 297.173

■ 35, 34.937,
112.187

■ 38, 11.497,
297.788

■ 35, 38.768,
111.892

■ 38, 16.868,
298.373

■ 35, 41.807,
111.826

■ 39, 22.204,
298.926

■ 34, 44.565,
111.809

■ 39, 27.499,
299.448

■ 34, 44.940,

111.796

■ 40, 32.748,
299.938

Harmonies

Complementary

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



36, 15.424, 114.509



28, 16.375, 298.758

Rectangle

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



36, 15.424, 114.509



36, 15.424, 164.509



36, 15.424, 294.509



36, 15.424, 344.509

Sweetspot

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



36, 15.425, 114.512



47, 5.993, 115.831



30, 10.349, 34.219



23, 4.119, 115.769



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



36, 15.425, 114.512



46, 22.423, 114.085



35, 17.087, 132.927



17, 3.012, 115.866



42, 51.990, 112.024



88, 92.607, 112.608

Inverse Universe

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



28, 16.375, 298.758



34, 24.174, 299.398



29, 17.499, 315.260



16, 3.069, 297.061



10, 69.603, 307.266



30, 124.470, 306.871

Previews

White Background



This preview shows how the CIELCh color 36, 15.424, 114.509 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, 15.424, 114.509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

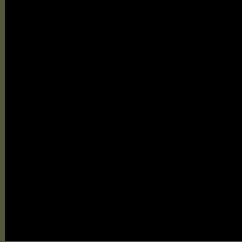
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

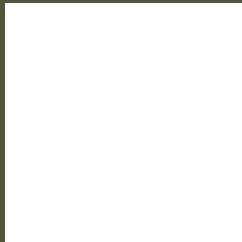
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 15.424, 114.509

Background



This preview shows how black text looks on a background with the CIELCh color 36, 15.424, 114.509.

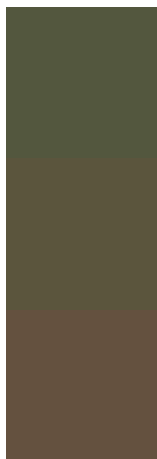


This preview shows how white text looks on a background with the CIELCh color 36, 15.424, 114.509.

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, 15.424, 114.509

Protanopia

36, 15.022, 96.843

Deuteranopia

36, 14.468, 69.711



Tritanopia
36, 4.688, 311.809

Trichromacy



Original Color
36, 15.424, 114.509

Protanomaly
36, 15.352, 104.106

Deuteranomaly
36, 13.434, 85.391

Tritanomaly
36, 2.618, 90.288

Monochromacy



Original Color
36, 15.424, 114.509

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 5.597, 113.766

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 15.424, 114.509 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(83, 87, 62)` looks like.

```
.text, #text, p{  
    color:rgb(83, 87, 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(83, 87, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 87, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 15.424, 114.509 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(83, 87, 62) }
```

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

```
.border{ border-color:rgb(83, 87, 62) }
```

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

Here you see how a box with a 4 pixel rgb(83, 87, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 87, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 87, 62);  
box-shadow:4px 4px 4px 4px rgb(83, 87, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 15.424, 114.509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 87, 62) }
```

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

```
.background{ background-color: rgb(83, 87,  
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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