

Converting Colors

CIELCh(36, 21.565, 117.759)

Have a look what the booklet for
CIELCh(36, 21.565, 117.759)
contains.

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Color

CIELCh(36, 20.993, 117.063)

Conversions

Conversions Part 1

Format	Color
Hex	505836
RGB	80, 88, 54
RGB Percent	31%, 35%, 21%
CMY	0.6852, 0.6539, 0.7873
CMYK	0.09, 0.00, 0.39, 0.65
HSL	74°, 24%, 28%
HSV	74°, 39%, 35%
XYZ	7.5134, 9.0082, 4.8632
YIQ	81.7320, 6.1460, -12.2700

Conversions

Conversions Part 2

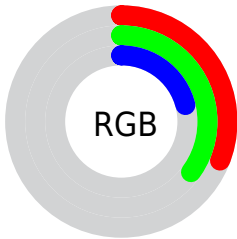
Format	Color
R_{YB}	54, 88, 62
Decimal	5265462
CIE _{Lab}	36.00, -9.55, 18.69
CIE _{LCh}	36, 20.993, 117.063
Yxy	9.0082, 0.3513, 0.4212
Android (android.graphics.Color)	4283455542 (0xFF505836)
YUV	81.7320, -13.6719, -1.5190
Hunter-Lab	30.0136, -7.8393, 11.4025

Details

The CIELCh color **36, 20.993, 117.063** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **25, 22.716, 302.193**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 21.177, 116.890**, and **16, 21.256, 116.973** is the 20% darker color. If you saturate the color by 10%, you get **36, 26.183, 116.512**, and if you desaturate by 10%, it is **36, 15.644, 117.654**.

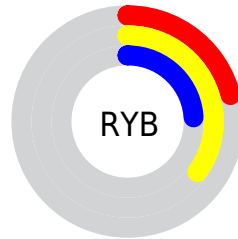
Distribution



Red (31%)

Green (35%)

Blue (21%)



Red (21%)

Yellow (35%)

Blue (24%)

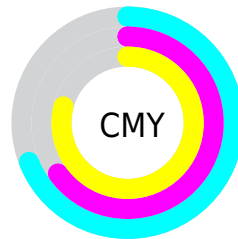


Cyan (9%)

Magenta (0%)

Yellow (39%)

Black (65%)



Cyan (69%)


Magenta (65%)


Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 20.993, 117.063 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, 20.993, 117.063 by changing the saturation by 10% instead.


 36, 20.993,
117.063


 36, 20.993,
117.063

 100, 20.993,
117.063


 26, 20.993,
117.063

 56, 20.993,
117.063


 16, 20.993,
117.063


 66, 20.993,
117.063

 6, 20.993, 117.063

 76, 20.993,
117.063

 0, 20.993, 117.063

 86, 20.993,
117.063

 96, 20.993,
117.063

■ 36, 20.993,
117.063

■ 36, 20.993,
117.063

■ 36, 26.183,
116.512

■ 36, 15.644,
117.654

■ 35, 31.116,
116.029

■ 37, 10.199,
118.255

■ 35, 35.657,
115.664

■ 37, 4.703, 118.852

■ 35, 39.622,
115.483

■ 38, 0.811, 299.413

■ 38, 6.321, 299.985

■ 35, 42.796,
115.562

■ 39, 11.811,
300.517

■ 34, 45.645,
115.702

■ 39, 17.268,
301.019

■ 34, 46.090,
115.705

■ 40, 22.682,
301.490

■ 40, 28.048,
301.931

Harmonies

Complementary

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



36, 20.993, 117.063



25, 22.716, 302.193

Rectangle

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



36, 20.993, 117.063



36, 20.993, 167.063



36, 20.993, 297.063



36, 20.993, 347.063

Sweetspot

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



36, 20.994, 117.065



48, 8.204, 118.623



29, 13.860, 42.612



24, 5.485, 118.581



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



36, 20.994, 117.065



46, 30.845, 116.567



35, 23.717, 134.989



17, 3.037, 118.839



42, 52.835, 115.994



86, 94.293, 116.790

Inverse Universe

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



25, 22.716, 302.193



30, 34.142, 303.046



27, 24.261, 318.300



16, 3.090, 299.876



11, 68.896, 307.986



31, 123.364, 307.470

Previews

White Background



This preview shows how the CIELCh color 36, 20.993, 117.063 looks on a white background.

Color Contrast Check

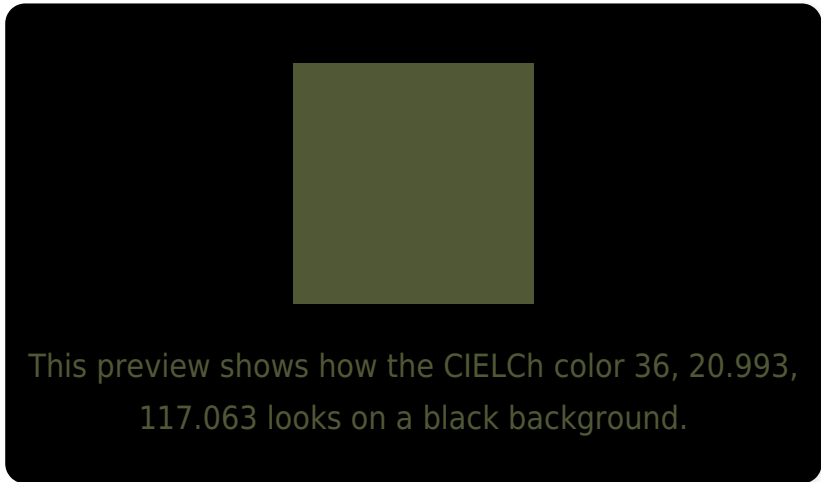
Large Text (above 18pt) WCAG AA ✓ Pass

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

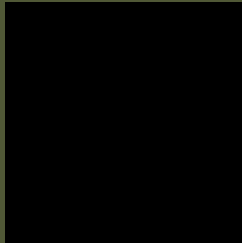
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 20.993, 117.063

Background



This preview shows how black text looks on a background with the CIELCh color 36, 20.993, 117.063.

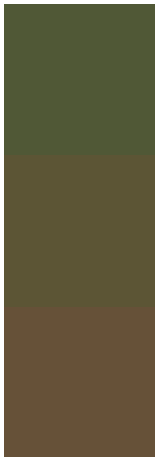


This preview shows how white text looks on a background with the CIELCh color 36, 20.993, 117.063.

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, 20.993, 117.063

Protanopia
36, 19.852, 97.070

Deuteranopia
36, 18.694, 74.465



Tritanopia
36, 4.378, 296.335

Trichromacy



Original Color
36, 20.993, 117.063

Protanomaly
36, 20.123, 104.061

Deuteranomaly
36, 18.468, 92.027

Tritanomaly
36, 5.124, 124.165

Monochromacy



Original Color
36, 20.993, 117.063

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 7.564, 119.100

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 20.993, 117.063 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(80, 88, 54)` looks like.

```
.text, #text, p{  
    color:rgb(80, 88, 54)  
}
```

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(80, 88, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 88, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 20.993, 117.063 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(80, 88, 54) }
```

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

```
.border{ border-color:rgb(80, 88, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 88, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 88, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 88, 54);  
box-shadow:4px 4px 4px 4px rgb(80, 88, 54)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 20.993, 117.063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 88, 54) }
```

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

```
.background{ background-color: rgb(80, 88,  
54) }
```

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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