

Converting Colors

CIELCh(36, 19.945, 120.923)

Have a look what the booklet for
CIELCh(36, 19.945, 120.923)
contains.

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Color

CIELCh(36, 20.130, 121.633)

Conversions

Conversions Part 1

Format	Color
Hex	4E5939
RGB	78, 89, 57
RGB Percent	31%, 35%, 22%
CMY	0.6950, 0.6519, 0.7773
CMYK	0.12, 0.00, 0.36, 0.65
HSL	81°, 22%, 29%
HSV	81°, 36%, 35%
XYZ	7.4082, 9.0082, 5.1900
YIQ	82.0630, 3.7160, -12.2840

Conversions

Conversions Part 2

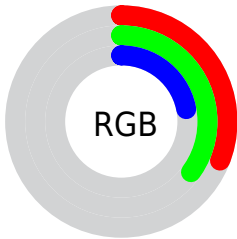
Format	Color
R_{YB}	57, 89, 68
Decimal	5134649
CIE _{Lab}	36.00, -10.56, 17.14
CIE _{LCh}	36, 20.130, 121.633
Yxy	9.0082, 0.3429, 0.4169
Android (android.graphics.Color)	4283324729 (0xFF4E5939)
YUV	82.0630, -12.3561, -3.5633
Hunter-Lab	30.0136, -8.4651, 10.7569

Details

The CIELCh color **36, 20.130, 121.633** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **26, 21.450, 305.553**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 20.322, 120.957**, and **16, 20.496, 121.917** is the 20% darker color. If you saturate the color by 10%, you get **36, 25.516, 121.155**, and if you desaturate by 10%, it is **36, 14.611, 122.142**.

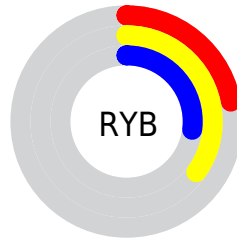
Distribution



 Red (31%)

 Green (35%)

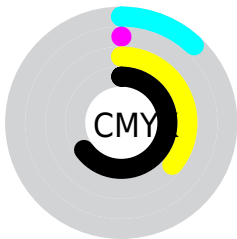
 Blue (22%)



 Red (22%)

 Yellow (35%)

 Blue (27%)

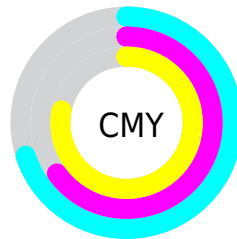


 Cyan (12%)

 Magenta (0%)

 Yellow (36%)

 Black (65%)



 Cyan (70%)


 Magenta (65%)


 Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 20.130, 121.633 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, 20.130, 121.633 by changing the saturation by 10% instead.


 36, 20.130,
121.633

 36, 20.130,
121.633

 100, 20.130,
121.633


 26, 20.130,
121.633

 56, 20.130,
121.633


 16, 20.130,
121.633


 66, 20.130,
121.633

 6, 20.130, 121.633

 76, 20.130,
121.633

 0, 20.130, 121.633

 86, 20.130,
121.633

 96, 20.130,
121.633

■ 36, 20.130,
121.633

■ 36, 20.130,
121.633

■ 36, 25.516,
121.155

■ 36, 14.611,
122.142

■ 35, 30.679,
120.736

■ 37, 9.017, 122.653

■ 35, 35.496,
120.427

■ 37, 3.392, 123.158

■ 38, 2.235, 303.611

■ 35, 39.795,
120.298

■ 39, 7.840, 304.076

■ 34, 43.370,
120.436

■ 39, 13.409,
304.504

■ 34, 46.367,
120.752

■ 40, 18.929,
304.901

■ 34, 47.626,
120.808

■ 40, 24.391,
305.268

■ 41, 29.788,

Harmonies

Complementary

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



36, 20.130, 121.633



26, 21.450, 305.553

Rectangle

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



36, 20.130, 121.633



36, 20.130, 171.633



36, 20.130, 301.633



36, 20.130, 351.633

Sweetspot

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



36, 20.131, 121.635



48, 7.645, 122.890



31, 12.475, 53.252



24, 5.178, 122.850



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, 20.131, 121.635



46, 29.499, 121.232



35, 23.004, 137.935



17, 3.086, 123.021



41, 54.440, 121.165



85, 97.456, 122.166

Inverse Universe

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



26, 21.450, 305.553



32, 31.985, 306.149



28, 23.277, 321.296



16, 3.134, 303.873



12, 67.631, 309.449



33, 121.187, 308.794

Previews

White Background



This preview shows how the CIELCh color 36, 20.130, 121.633 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, 20.130, 121.633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

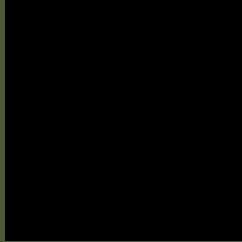
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

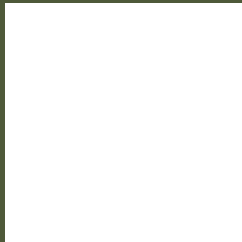
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 20.130, 121.633

Background



This preview shows how black text looks on a background with the CIELCh color 36, 20.130, 121.633.



This preview shows how white text looks on a background with the CIELCh color 36, 20.130, 121.633.

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

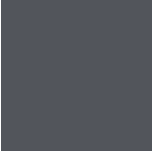
36, 20.130, 121.633

Protanopia

36, 18.676, 96.707

Deuteranopia

36, 16.826, 72.971



Tritanopia
36, 3.902, 272.349

Trichromacy



Original Color
36, 20.130, 121.633

Protanomaly
36, 18.328, 105.609

Deuteranomaly
36, 16.577, 92.446

Tritanomaly
36, 5.075, 140.155

Monochromacy



Original Color
36, 20.130, 121.633

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 7.061, 123.556

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 20.130, 121.633 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(78, 89, 57)` looks like.

```
.text, #text, p{  
    color:rgb(78, 89, 57)  
}
```

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(78, 89, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 89, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 20.130, 121.633 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(78, 89, 57) }
```

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

```
.border{ border-color:rgb(78, 89, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 89, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 89, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 89, 57);  
box-shadow:4px 4px 4px 4px rgb(78, 89, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 20.130, 121.633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 89, 57) }
```

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

```
.background{ background-color: rgb(78, 89,  
57) }
```

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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