

Converting Colors

CIELCh(33, 23.600, 87.405)

Have a look what the booklet for
CIELCh(33, 23.600, 87.405) contains.

CIELCh(33, 23.600, 87.405)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(33, 23.600, 87.405)

Conversions

Conversions Part 1

Format	Color
Hex	5B4C28
RGB	91, 76, 40
RGB Percent	36%, 30%, 16%
CMY	0.6433, 0.7021, 0.8433
CMYK	0.00, 0.16, 0.56, 0.64
HSL	42°, 39%, 26%
HSV	42°, 56%, 36%
XYZ	7.2732, 7.5373, 3.0752
YIQ	76.3810, 20.4960, -8.0160

Conversions

Conversions Part 2

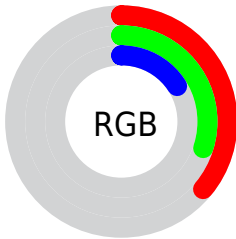
Format	Color
R_{YB}	61, 91, 40
Decimal	5983272
CIE _{Lab}	33.00, 1.07, 23.58
CIE _{LCh}	33, 23.600, 87.405
Yxy	7.5373, 0.4067, 0.4214
Android (android.graphics.Color)	4284173352 (0xFF5B4C28)
YUV	76.3810, -17.9358, 12.8209
Hunter-Lab	27.4541, -0.7558, 12.5767

Details

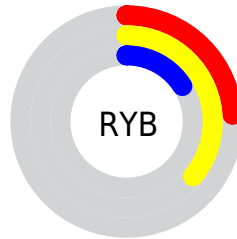
The CIELCh color **33, 23.600, 87.405** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **23, 24.165, 283.544**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 23.830, 87.501**, and **13, 19.401, 84.744** is the 20% darker color. If you saturate the color by 10%, you get **32, 27.721, 86.092**, and if you desaturate by 10%, it is **34, 19.358, 88.684**.

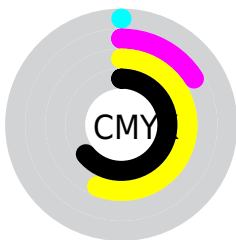
Distribution



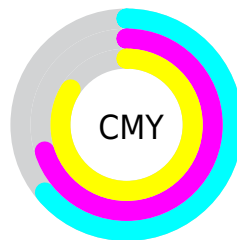
- Red (36%)
- Green (30%)
- Blue (16%)



- Red (24%)
- Yellow (36%)
- Blue (16%)



- Cyan (0%)
- Magenta (16%)
- Yellow (56%)
- Black (64%)



- Cyan (64%)
- Magenta (70%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 23.600, 87.405 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 33, 23.600, 87.405 by changing the saturation by 10% instead.

■ 33, 23.600, 87.405

■ 33, 23.600, 87.405

■ 100, 23.600,
87.405

■ 23, 23.600, 87.405

■ 53, 23.600, 87.405

■ 13, 23.600, 87.405

■ 63, 23.600, 87.405

■ 3, 23.600, 87.405

■ 73, 23.600, 87.405

■ 0, 23.600, 87.405

■ 83, 23.600, 87.405

■ 93, 23.600, 87.405

■ 33, 23.600, 87.405

■ 33, 23.600, 87.405

■ 32, 27.721, 86.092

■ 34, 19.358, 88.684

■ 31, 31.567, 84.711

■ 35, 15.086, 89.925

■ 30, 34.896, 83.218

■ 36, 10.833, 91.133

■ 30, 37.837, 81.690

■ 37, 6.626, 92.305

■ 29, 39.108, 81.172

■ 38, 2.479, 93.417

■ 39, 1.603, 274.645

■ 40, 5.621, 275.652

■ 41, 9.575, 276.661

■ 42, 13.470,
277.631

Harmonies

Complementary

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



33, 23.600, 87.405



23, 24.165, 283.544

Rectangle

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



33, 23.600, 87.405



33, 23.600, 137.405



33, 23.600, 267.405



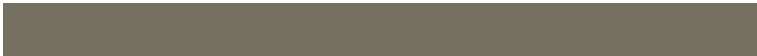
33, 23.600, 317.405

Sweetspot

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



33, 23.600, 87.409



47, 8.657, 92.137



24, 25.255, 3.064



23, 5.737, 92.009



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



33, 23.600, 87.409



41, 34.589, 85.685



37, 30.504, 114.570



18, 2.314, 93.119



35, 44.654, 80.605



73, 78.428, 78.904

Inverse Universe

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



23, 24.165, 283.544



27, 36.165, 286.943



20, 34.763, 302.968



17, 2.323, 275.204



16, 53.092, 296.973



39, 99.876, 299.175

Previews

White Background



This preview shows how the CIELCh color 33, 23.600, 87.405 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 33, 23.600, 87.405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

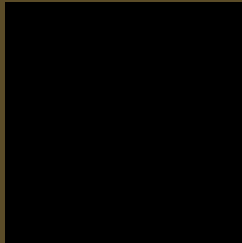
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 23.600, 87.405

Background



This preview shows how black text looks on a background with the CIELCh color 33, 23.600, 87.405.



This preview shows how white text looks on a background with the CIELCh color 33, 23.600, 87.405.

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

33, 23.600, 87.405

Protanopia

33, 23.111, 96.126

Deuteranopia

33, 23.894, 79.779



Tritanopia
33, 10.278, 3.436

Trichromacy



Original Color
33, 23.600, 87.405

Protanomaly
33, 22.925, 92.228

Deuteranomaly
33, 23.910, 82.460

Tritanomaly
33, 11.086, 50.968

Monochromacy



Original Color
33, 23.600, 87.405

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 8.497, 92.834

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 23.600, 87.405 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(91, 76, 40)` looks like.

```
.text, #text, p{  
    color:rgb(91, 76, 40)  
}
```

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(91, 76, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 76, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 23.600, 87.405 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(91, 76, 40) }
```

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

```
.border{ border-color:rgb(91, 76, 40) }
```

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

Here you see how a box with a 4 pixel rgb(91, 76, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 76, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 76, 40);  
box-shadow:4px 4px 4px 4px rgb(91, 76, 40)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 23.600, 87.405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 76, 40) }
```

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

```
.background{ background-color: rgb(91, 76,  
40) }
```

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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