

Converting Colors

CIELCh(33, 32.738, 162.052)

Have a look what the booklet for
CIELCh(33, 32.738, 162.052)
contains.

CIELCh(33, 32.464, 162.465)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(33, 32.464, 162.465)

Conversions

Conversions Part 1

Format	Color
Hex	01593D
RGB	1, 89, 61
RGB Percent	0%, 35%, 24%
CMY	0.9980, 0.6498, 0.7597
CMYK	0.99, 0.00, 0.31, 0.65
HSL	161°, 99%, 18%
HSV	161°, 99%, 35%
XYZ	4.4531, 7.5373, 5.6736
YIQ	59.4960, -43.4600, -27.3640

Conversions

Conversions Part 2

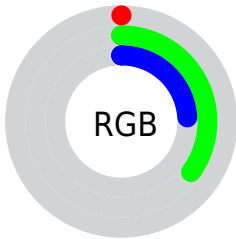
Format	Color
R_{YB}	1, 53, 89
Decimal	88381
CIE Lab	33.00, -30.96, 9.78
CIE LCh	33, 32.464, 162.465
Yxy	7.5373, 0.2521, 0.4267
Android (android.graphics.Color)	4278278461 (0xFF01593D)
YUV	59.4960, 0.7415, -51.3010
Hunter-Lab	27.4541, -19.0915, 6.9650

Details

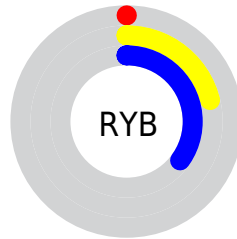
The CIELCh color **33, 32.464, 162.465** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **17, 39.605, 14.985**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 32.293, 162.662**, and **14, 23.831, 152.325** is the 20% darker color. If you saturate the color by 10%, you get **33, 32.584, 162.376**, and if you desaturate by 10%, it is **33, 30.414, 164.120**.

Distribution



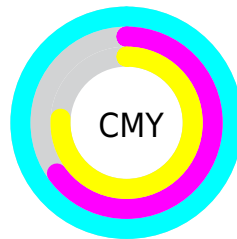
- Red (0%)
- Green (35%)
- Blue (24%)



- Red (0%)
- Yellow (21%)
- Blue (35%)



- Cyan (99%)
- Magenta (0%)
- Yellow (31%)
- Black (65%)





- Cyan (100%)
- Magenta (65%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 32.464, 162.465 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, 32.464, 162.465 by changing the saturation by 10% instead.


 33, 32.464,
162.465


 33, 32.464,
162.465

 100, 32.464,
162.465


 23, 32.464,
162.465

 53, 32.464,
162.465


 13, 32.464,
162.465


 63, 32.464,
162.465

 3, 32.464, 162.465

 73, 32.464,
162.465

 0, 32.464, 162.465

 83, 32.464,
162.465

 93, 32.464,
162.465

■ 33, 32.464,
162.465

■ 33, 32.464,
162.465

■ 33, 32.584,
162.376

■ 33, 30.414,
164.120

■ 33, 28.223,
165.836

■ 34, 25.638,
167.384

■ 34, 22.678,
168.780

■ 35, 19.379,
170.042

■ 35, 15.795,
171.190

■ 36, 11.984,
172.243

■ 36, 8.004, 173.222

Harmonies

Complementary

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



33, 32.464, 162.465



17, 39.605, 14.985

Rectangle

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



33, 32.464, 162.465



33, 32.464, 212.465



33, 32.464, 342.465



33, 32.464, 32.465

Sweetspot

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



33, 32.464, 162.464



46, 15.263, 172.082



33, 52.616, 131.842



23, 10.267, 171.812



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, 32.464, 162.464



43, 39.967, 161.592



28, 20.209, 228.980



18, 2.380, 174.208



41, 37.986, 161.769



84, 68.614, 160.255

Inverse Universe

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



17, 39.605, 14.985



23, 48.533, 17.199



18, 41.990, 40.427



17, 2.435, 355.583



22, 46.178, 16.740



50, 82.812, 20.676

Previews

White Background



This preview shows how the CIELCh color 33, 32.464, 162.465 looks on a white background.

Color Contrast Check

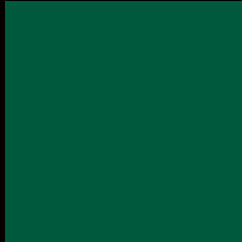
Large Text (above 18pt) WCAG AA ✓ Pass

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, 32.464, 162.465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

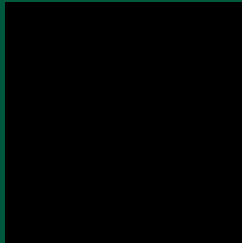
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 32.464, 162.465

Background



This preview shows how black text looks on a background with the CIELCh color 33, 32.464, 162.465.

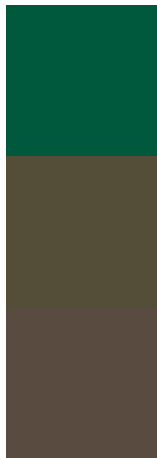


This preview shows how white text looks on a background with the CIELCh color 33, 32.464, 162.465.

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, 32.366, 162.370

Protanopia

33, 14.024, 95.926

Deuteranopia

33, 9.472, 61.297



Tritanopia
33, 18.048, 211.458

Trichromacy



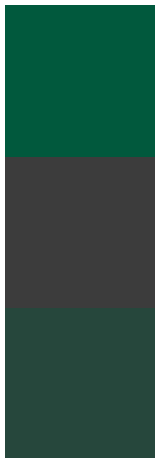
Original Color
33, 32.366, 162.370

Protanomaly
32, 19.506, 146.299

Deuteranomaly
32, 14.290, 152.408

Tritanomaly
33, 22.109, 186.485

Monochromacy



Original Color
33, 32.366, 162.370

Achromatopsia
25, 0.004, 296.813

Achromatomaly
27, 15.439, 169.370

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 32.464, 162.465 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(1, 89, 61)` looks like.

```
.text, #text, p{  
    color:rgb(1, 89, 61)  
}
```

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(1, 89, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 89, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 32.464, 162.465 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(1, 89, 61) }
```

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

```
.border{ border-color:rgb(1, 89, 61) }
```

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

Here you see how a box with a 4 pixel rgb(1, 89, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 89, 61); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 89, 61); box-shadow:4px  
4px 4px 4px rgb(1, 89, 61) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 32.464, 162.465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 89, 61) }
```

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

```
.background{ background-color: rgb(1, 89,  
61) }
```

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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