

Converting Colors

CIELCh(33, 24.175, 164.785)

Have a look what the booklet for
CIELCh(33, 24.175, 164.785)
contains.

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Color

CIELCh(33, 24.175, 164.785)

Conversions

Conversions Part 1

Format	Color
Hex	215743
RGB	33, 87, 67
RGB Percent	13%, 34%, 26%
CMY	0.8708, 0.6590, 0.7374
CMYK	0.62, 0.00, 0.23, 0.66
HSL	158°, 45%, 24%
HSV	158°, 62%, 34%
XYZ	5.0427, 7.5373, 6.4932
YIQ	68.5740, -25.7640, -17.6680

Conversions

Conversions Part 2

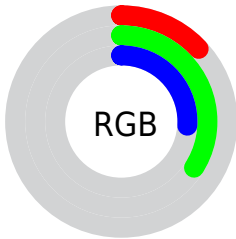
Format	Color
R_YB	33, 66, 87
Decimal	2185027
CIE Lab	33.00, -23.33, 6.34
CIE LCh	33, 24.175, 164.785
Yxy	7.5373, 0.2644, 0.3952
Android (android.graphics.Color)	4280375107 (0xFF215743)
YUV	68.5740, -0.7760, -31.1984
Hunter-Lab	27.4541, -15.2581, 5.1951




Details

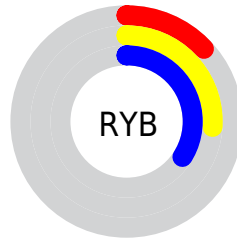
The CIELCh color **33, 24.175, 164.785** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **21, 27.284, 359.046**, and the grayscale version is **29, 0.005, 296.813**.




A 20% lighter version of the original color is **53, 24.055, 165.085**, and **14, 20.664, 159.378** is the 20% darker color. If you saturate the color by 10%, you get **33, 27.222, 163.313**, and if you desaturate by 10%, it is **33, 20.798, 166.107**.

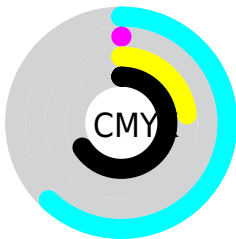
Distribution







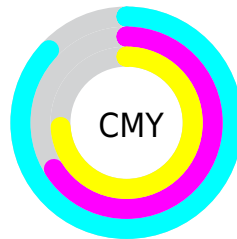
-  Red (13%)
-  Green (34%)
-  Blue (26%)






-  Red (13%)
-  Yellow (26%)
-  Blue (34%)



-  Cyan (62%)
-  Magenta (0%)
-  Yellow (23%)
-  Black (66%)





-  Cyan (87%)
-  Magenta (66%)
-  Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 24.175, 164.785 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, 24.175, 164.785 by changing the saturation by 10% instead.


 33, 24.175,
164.785


 33, 24.175,
164.785

 100, 24.175,
164.785


 23, 24.175,
164.785


 53, 24.175,
164.785


 13, 24.175,
164.785


 63, 24.175,
164.785

 3, 24.175, 164.785

 73, 24.175,
164.785

 0, 24.175, 164.785

 83, 24.175,
164.785

 93, 24.175,
164.785

■ 33, 24.175,
164.785

■ 33, 24.175,
164.785

■ 33, 27.222,
163.313

■ 33, 20.798,
166.107

■ 32, 29.902,
161.677

■ 34, 17.141,
167.300

■ 32, 32.229,
159.893

■ 35, 13.264,
168.385

■ 32, 34.032,
158.600

■ 35, 9.225, 169.381

■ 36, 5.081, 170.311

■ 37, 0.882, 171.386

■ 38, 3.332, 351.816

■ 39, 7.526, 352.596

■ 40, 11.674,
353.305

Harmonies

Complementary

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



33, 24.175, 164.785



21, 27.284, 359.046

Rectangle

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



33, 24.175, 164.785



33, 24.175, 214.785



33, 24.175, 344.785



33, 24.175, 34.785

Sweetspot

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



33, 24.175, 164.784



45, 9.805, 169.617



33, 35.608, 130.386



22, 6.666, 169.450



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



33, 24.175, 164.784



42, 34.301, 162.464



31, 16.392, 211.566



17, 2.347, 170.616



39, 39.805, 157.947



83, 72.805, 156.330

Inverse Universe

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



21, 27.284, 359.046



26, 39.158, 2.713



22, 25.819, 34.010



16, 2.390, 351.949



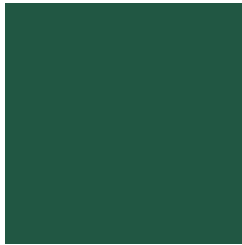
21, 44.784, 11.575



50, 80.378, 15.452

Previews

White Background



This preview shows how the CIELCh color 33, 24.175, 164.785 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, 24.175, 164.785 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, 24.175, 164.785

Background



This preview shows how black text looks on a background with the CIELCh color 33, 24.175, 164.785.



This preview shows how white text looks on a background with the CIELCh color 33, 24.175, 164.785.

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, 24.175, 164.785

Protanopia

33, 9.691, 94.552

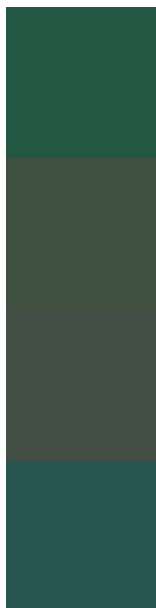
Deuteranopia

33, 6.736, 47.788



Tritanopia
33, 15.380, 214.337

Trichromacy



Original Color
33, 24.175, 164.785

Protanomaly
33, 13.116, 143.233

Deuteranomaly
32, 7.984, 146.228

Tritanomaly
33, 17.102, 190.647

Monochromacy



Original Color
33, 24.175, 164.785

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 10.006, 167.183

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 24.175, 164.785 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(33, 87, 67)` looks like.

```
.text, #text, p{  
    color:rgb(33, 87, 67)  
}
```

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(33, 87, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 87, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 24.175, 164.785 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(33, 87, 67) }
```

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

```
.border{ border-color:rgb(33, 87, 67) }
```

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

Here you see how a box with a 4 pixel rgb(33, 87, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 87, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 87, 67);  
box-shadow:4px 4px 4px 4px rgb(33, 87, 67)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 24.175, 164.785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 87, 67) }
```

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

```
.background{ background-color: rgb(33, 87,  
67) }
```

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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