

Converting Colors

CIELCh(31, 35.302, 228.694)

Have a look what the booklet for
CIELCh(31, 35.302, 228.694)
contains.

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Color

CIELCh(33, 25.318, 246.683)

Conversions

Conversions Part 1

Format	Color
Hex	005472
RGB	0, 84, 114
RGB Percent	0%, 33%, 45%
CMY	1.0000, 0.6710, 0.5533
CMYK	1.00, 0.26, 0.00, 0.55
HSL	196°, 100%, 22%
HSV	196°, 100%, 45%
XYZ	6.1918, 7.5373, 17.0183
YIQ	62.3040, -59.6940, -8.4780

Conversions

Conversions Part 2

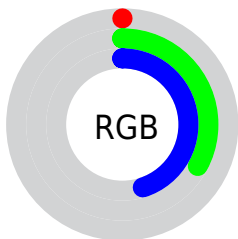
Format	Color
RYB	0, 48, 114
Decimal	21618
CIELab	33.00, -10.02, -23.25
CIElCh	33, 25.318, 246.683
Yxy	7.5373, 0.2014, 0.2451
Android (android.graphics.Color)	4278211698 (0xFF005472)
YUV	62.3040, 25.4861, -54.6406
Hunter-Lab	27.4541, -7.7869, -17.5350

Details

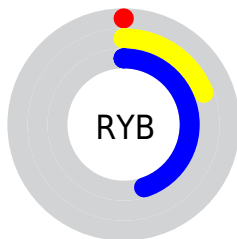
The CIELCh color **33, 25.318, 246.683** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **25, 51.114, 45.885**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 25.194, 245.938**, and **15, 20.760, 266.912** is the 20% darker color. If you saturate the color by 10%, you get **33, 25.307, 246.712**, and if you desaturate by 10%, it is **34, 24.069, 242.884**.

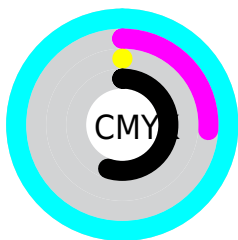
Distribution



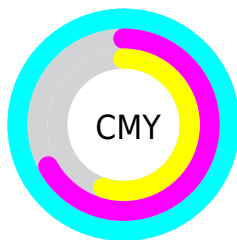
- Red (0%)
- Green (33%)
- Blue (45%)



- Red (0%)
- Yellow (19%)
- Blue (45%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (55%)





- Cyan (100%)
- Magenta (67%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 25.318, 246.683 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, 25.318, 246.683 by changing the saturation by 10% instead.


 33, 25.318,
246.683


 33, 25.318,
246.683

 100, 25.318,
246.683


 23, 25.318,
246.683

 53, 25.318,
246.683


 13, 25.318,
246.683


 63, 25.318,
246.683

 3, 25.318, 246.683

 73, 25.318,
246.683

 0, 25.318, 246.683

 83, 25.318,
246.683

 93, 25.318,
246.683

■ 33, 25.318,
246.683

■ 33, 25.318,
246.683

■ 33, 25.307,
246.712

■ 34, 24.069,
242.884

■ 35, 22.707,
239.303

■ 37, 21.009,
236.338

■ 38, 18.941,
233.932

■ 40, 16.505,
232.007

■ 41, 13.725,
230.484

■ 43, 10.640,
229.291

■ 44, 7.295, 228.369

Harmonies

Complementary

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



33, 25.318, 246.683



25, 51.114, 45.885

Rectangle

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



33, 25.318, 246.683



33, 25.318, 296.683



33, 25.318, 66.683



33, 25.318, 116.683

Sweetspot

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



33, 25.307, 246.712



55, 13.149, 229.373



41, 59.255, 140.599



27, 8.823, 229.731



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



33, 25.307, 246.712



43, 30.791, 248.050



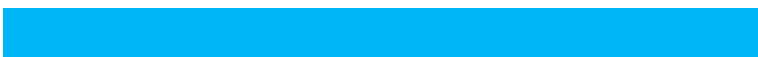
16, 58.326, 299.236



23, 2.079, 227.634



35, 26.285, 246.997



70, 45.695, 249.939

Inverse Universe

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



24, 52.581, 341.511



33, 63.205, 341.955



38, 46.415, 84.369



22, 3.812, 333.370



26, 54.476, 341.605



55, 92.117, 342.599

Previews

White Background



This preview shows how the CIELCh color 33, 25.318, 246.683 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, 25.318, 246.683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

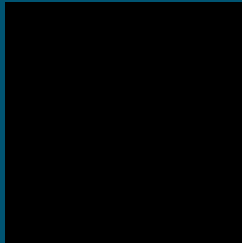
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

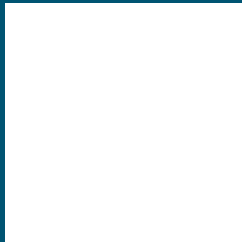
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 33, 25.318, 246.683

Background



This preview shows how black text looks on a background with the CIELCh color 33, 25.318, 246.683.



This preview shows how white text looks on a background with the CIELCh color 33, 25.318, 246.683.

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, 25.318, 246.683

Protanopia

33, 19.669, 284.106

Deuteranopia

33, 24.274, 281.606



Tritanopia
33, 22.166, 206.551

Trichromacy



Original Color
33, 25.318, 246.683

Protanomaly
33, 21.536, 261.017

Deuteranomaly
33, 24.433, 264.336

Tritanomaly
33, 22.138, 222.577

Monochromacy



Original Color
33, 25.318, 246.683

Achromatopsia
26, 0.004, 296.813

Achromatomaly
28, 12.936, 231.732

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 25.318, 246.683 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(0, 84, 114)` looks like.

```
.text, #text, p{  
    color:rgb(0, 84, 114)  
}
```

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(0, 84, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 84, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 25.318, 246.683 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(0, 84, 114) }
```

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

```
.border{ border-color:rgb(0, 84, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 84, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 84, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 84, 114);  
box-shadow:4px 4px 4px 4px rgb(0, 84, 114)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 25.318, 246.683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 84, 114) }
```

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

```
.background{ background-color: rgb(0, 84,  
114) }
```

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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