

Converting Colors

CIELCh(18, 13.494, 237.593)

Have a look what the booklet for
CIELCh(18, 13.494, 237.593)
contains.

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Color

CIELCh(18, 13.365, 236.438)

Conversions

Conversions Part 1

Format	Color
Hex	0F303C
RGB	15, 48, 60
RGB Percent	6%, 19%, 24%
CMY	0.9423, 0.8127, 0.7656
CMYK	0.75, 0.20, 0.00, 0.77
HSL	196°, 60%, 15%
HSV	196°, 75%, 23%
XYZ	2.0493, 2.5180, 4.6200
YIQ	39.5010, -23.5200, -3.2640

Conversions

Conversions Part 2

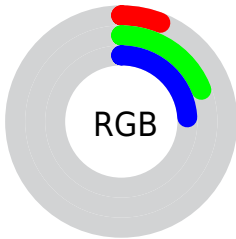
Format	Color
RYB	15, 34, 60
Decimal	995388
CIELab	18.00, -7.39, -11.14
CIElCh	18, 13.365, 236.438
Yxy	2.5180, 0.2231, 0.2741
Android (android.graphics.Color)	4279185468 (0xFF0F303C)
YUV	39.5010, 10.1060, -21.4874
Hunter-Lab	15.8683, -4.7177, -6.1543

Details

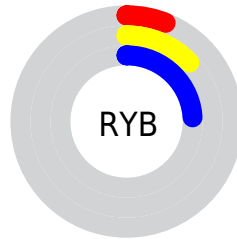
The CIELCh color **18, 13.365, 236.438** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **14, 21.219, 44.964**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 13.147, 236.058**, and **1, 7.046, 287.923** is the 20% darker color. If you saturate the color by 10%, you get **17, 14.413, 239.038**, and if you desaturate by 10%, it is **19, 12.126, 234.272**.

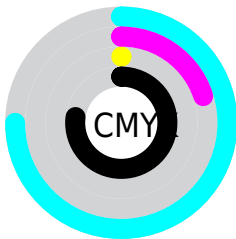
Distribution



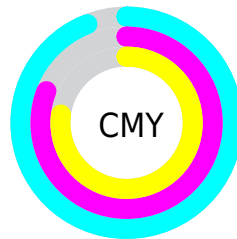
- Red (6%)
- Green (19%)
- Blue (24%)



- Red (6%)
- Yellow (13%)
- Blue (24%)



- Cyan (75%)
- Magenta (20%)
- Yellow (0%)
- Black (77%)



- Cyan (94%)
- Magenta (81%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 13.365, 236.438 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 18, 13.365, 236.438 by changing the saturation by 10% instead.

■ 18, 13.365,
236.438

■ 18, 13.365,
236.438

■ 100, 13.365,
236.438

■ 8, 13.365, 236.438

■ 38, 13.365,
236.438

■ 0, 13.365, 236.438

■ 48, 13.365,
236.438


■ 58, 13.365,
236.438


■ 68, 13.365,
236.438

■ 78, 13.365,
236.438


■ 88, 13.365,


236.438


 98, 13.365,
236.438


 18, 13.365,
236.438


 18, 13.365,
236.438

 17, 14.413,
239.038

 19, 12.126,
234.272

 16, 15.455,
241.477

 20, 10.692,
232.504

 16, 15.962,
242.463

 21, 9.077, 231.073

 22, 7.297, 229.924

 23, 5.375, 229.010

 24, 3.331, 228.299

■ 25, 1.188, 227.836

■ 26, 1.037, 46.975

■ 27, 3.325, 46.763

Harmonies

Complementary

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



18, 13.365, 236.438



14, 21.219, 44.964

Rectangle

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



18, 13.365, 236.438



18, 13.365, 286.438



18, 13.365, 56.438



18, 13.365, 106.438

Sweetspot

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



18, 13.365, 236.437



30, 6.007, 228.900



22, 29.145, 145.594



13, 4.068, 229.004



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



18, 13.365, 236.437



22, 17.858, 241.645



10, 24.815, 290.015



11, 1.244, 227.934



27, 22.090, 246.111



63, 42.162, 250.193

Inverse Universe

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



13, 28.367, 338.052



16, 37.959, 339.830



21, 22.809, 88.920



10, 2.269, 333.394



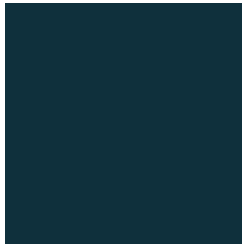
19, 46.141, 341.315



50, 84.781, 342.687

Previews

White Background



This preview shows how the CIELCh color 18, 13.365, 236.438 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 18, 13.365, 236.438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

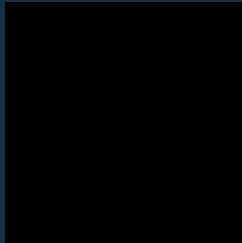
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

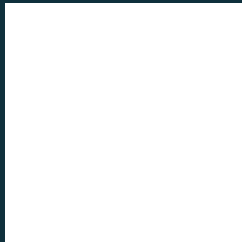
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 18, 13.365, 236.438

Background



This preview shows how black text looks on a background with the CIELCh color 18, 13.365, 236.438.



This preview shows how white text looks on a background with the CIELCh color 18, 13.365, 236.438.

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

18, 13.365, 236.438

Protanopia

18, 9.021, 284.348

Deuteranopia

18, 11.826, 283.274



Tritanopia
18, 13.705, 208.677

Trichromacy



Original Color
18, 13.365, 236.438

Protanomaly
18, 10.305, 260.204

Deuteranomaly
18, 12.166, 265.088

Tritanomaly
18, 13.374, 215.344

Monochromacy



Original Color
18, 13.365, 236.438

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 6.111, 233.681

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 13.365, 236.438 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(15, 48, 60)` looks like.

```
.text, #text, p{  
    color:rgb(15, 48, 60)  
}
```

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(15, 48, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 48, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 13.365, 236.438 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(15, 48, 60) }
```

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

```
.border{ border-color:rgb(15, 48, 60) }
```

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

Here you see how a box with a 4 pixel rgb(15, 48, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 48, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 48, 60);  
box-shadow:4px 4px 4px 4px rgb(15, 48, 60)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 13.365, 236.438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 48, 60) }
```

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

```
.background{ background-color: rgb(15, 48,  
60) }
```

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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