

Converting Colors

CIELCh(15, 10.804, 246.166)

Have a look what the booklet for
CIELCh(15, 10.804, 246.166)
contains.

CIELCh(15, 10.723, 245.191)	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(15, 10.723, 245.191)

Conversions

Conversions Part 1

Format	Color
Hex	132833
RGB	19, 40, 51
RGB Percent	7%, 16%, 20%
CMY	0.9248, 0.8425, 0.7994
CMYK	0.63, 0.22, 0.00, 0.80
HSL	201°, 45%, 14%
HSV	201°, 63%, 20%
XYZ	1.6369, 1.9086, 3.4328
YIQ	34.9750, -16.0470, -1.0310

Conversions

Conversions Part 2

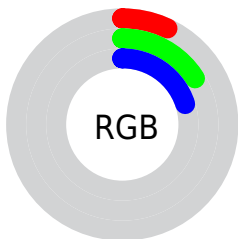
Format	Color
R_{YB}	19, 32, 51
Decimal	1255475
CIE _{Lab}	15.00, -4.50, -9.73
CIE _{LCh}	15, 10.723, 245.191
Yxy	1.9086, 0.2346, 0.2735
Android (android.graphics.Color)	4279445555 (0xFF132833)
YUV	34.9750, 7.9003, -14.0101
Hunter-Lab	13.8151, -3.0267, -5.0617

Details

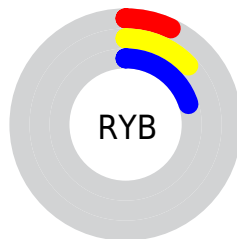
The CIELCh color **15, 10.723, 245.191** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **14, 14.573, 53.095**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 10.671, 243.535**, and **0, 0.807, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **14, 12.066, 247.560**, and if you desaturate by 10%, it is **16, 9.259, 243.200**.

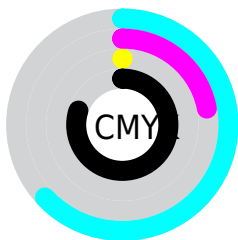
Distribution



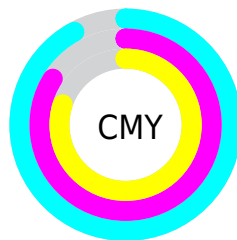
- Red (7%)
- Green (16%)
- Blue (20%)



- Red (7%)
- Yellow (13%)
- Blue (20%)



- Cyan (63%)
- Magenta (22%)
- Yellow (0%)
- Black (80%)



- Cyan (92%)
- Magenta (84%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 10.723, 245.191 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 15, 10.723, 245.191 by changing the saturation by 10% instead.

■ 15, 10.723,
245.191

■ 15, 10.723,
245.191

■ 100, 10.723,
245.191

■ 5, 10.723, 245.191

■ 35, 10.723,
245.191

■ 0, 10.723, 245.191

■ 45, 10.723,
245.191


■ 55, 10.723,
245.191


■ 65, 10.723,
245.191


■ 75, 10.723,
245.191


■ 85, 10.723,

245.191


 95, 10.723,
245.191

 15, 10.723,
245.191


 15, 10.723,
245.191

 14, 12.066,
247.560


 16, 9.259, 243.200

 13, 13.295,
250.331

 17, 7.683, 241.538

 12, 14.543,
252.818

 18, 6.005, 240.156

 12, 15.525,
254.317

 19, 4.238, 239.013

 20, 2.397, 238.082

 21, 0.493, 237.576

 22, 1.460, 56.398

■ 23, 3.451, 55.905

■ 24, 5.473, 55.447

Harmonies

Complementary

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



15, 10.723, 245.191



14, 14.573, 53.095

Rectangle

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



15, 10.723, 245.191



15, 10.723, 295.191



15, 10.723, 65.191



15, 10.723, 115.191

Sweetspot

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



15, 10.723, 245.190



26, 4.460, 238.755



18, 20.419, 150.527



11, 3.000, 238.815



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



15, 10.723, 245.190



19, 15.193, 249.279



9, 19.757, 291.059



8, 1.060, 237.756



23, 23.524, 259.726



56, 47.046, 264.455

Inverse Universe

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



12, 20.514, 340.564



14, 29.205, 342.199



19, 18.000, 96.304



8, 1.832, 336.557



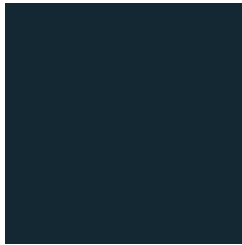
18, 42.389, 346.374



48, 79.359, 348.543

Previews

White Background



This preview shows how the CIELCh color 15, 10.723, 245.191 looks on a white background.

Color Contrast Check

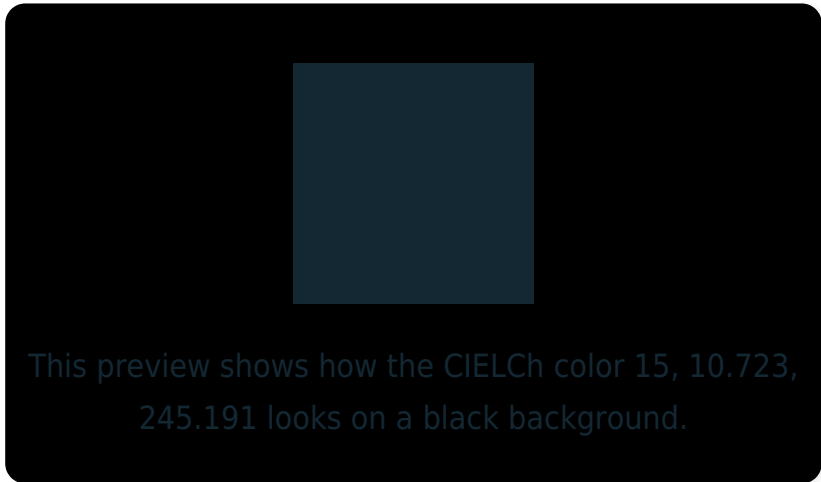
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

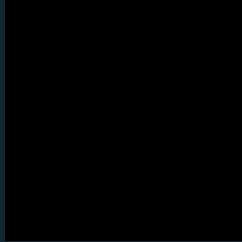
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

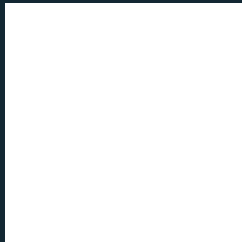
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 15, 10.723, 245.191

Background



This preview shows how black text looks on a background with the CIELCh color 15, 10.723, 245.191.



This preview shows how white text looks on a background with the CIELCh color 15, 10.723, 245.191.

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


15, 10.723, 245.191

Protanopia

15, 8.511, 286.678

Deuteranopia

15, 10.685, 284.161



Tritanopia
15, 9.931, 214.182

Trichromacy



Original Color
15, 10.723, 245.191

Protanomaly
15, 9.115, 268.563

Deuteranomaly
15, 10.508, 270.536

Tritanomaly
15, 9.907, 223.249

Monochromacy



Original Color
15, 10.723, 245.191

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 4.507, 238.163

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 10.723, 245.191 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(19, 40, 51)` looks like.

```
.text, #text, p{  
    color:rgb(19, 40, 51)  
}
```

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(19, 40, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 40, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 10.723, 245.191 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(19, 40, 51) }
```

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

```
.border{ border-color:rgb(19, 40, 51) }
```

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

Here you see how a box with a 4 pixel rgb(19, 40, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 40, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 40, 51);  
box-shadow:4px 4px 4px 4px rgb(19, 40, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 10.723, 245.191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 40, 51) }
```

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

```
.background{ background-color: rgb(19, 40,  
51) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor