

Converting Colors

CIELCh(32, 20.842, 203.730)

Have a look what the booklet for
CIELCh(32, 20.842, 203.730)
contains.

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Color

CIELCh(32, 20.842, 203.730)

Conversions

Conversions Part 1

Format	Color
Hex	0A5458
RGB	10, 84, 88
RGB Percent	4%, 33%, 35%
CMY	0.9618, 0.6711, 0.6554
CMYK	0.89, 0.05, 0.00, 0.66
HSL	183°, 80%, 19%
HSV	183°, 89%, 34%
XYZ	5.0377, 7.0852, 10.3058
YIQ	62.3300, -45.3880, -14.4440

Conversions

Conversions Part 2

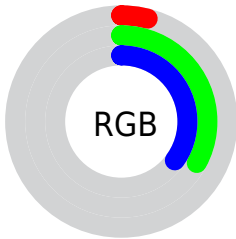
Format	Color
R_{YB}	10, 48, 88
Decimal	676952
CIE _{Lab}	32.00, -19.08, -8.39
CIE _{LCh}	32, 20.842, 203.730
Yxy	7.0852, 0.2246, 0.3159
Android (android.graphics.Color)	4278867032 (0xFF0A5458)
YUV	62.3300, 12.6553, -45.8934
Hunter-Lab	26.6180, -12.7987, -4.3231

Details

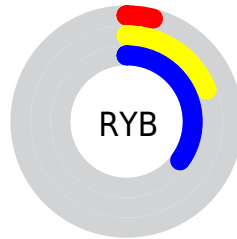
The CIELCh color **32, 20.842, 203.730** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **17, 39.921, 34.555**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 20.870, 203.853**, and **13, 12.960, 213.060** is the 20% darker color. If you saturate the color by 10%, you get **32, 21.553, 204.190**, and if you desaturate by 10%, it is **32, 19.951, 203.313**.

Distribution



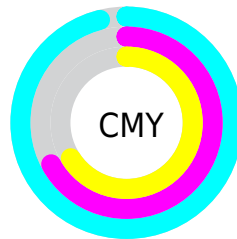
- Red (4%)
- Green (33%)
- Blue (35%)



- Red (4%)
- Yellow (19%)
- Blue (35%)



- Cyan (89%)
- Magenta (5%)
- Yellow (0%)
- Black (66%)





- Cyan (96%)
- Magenta (67%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 20.842, 203.730 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 32, 20.842, 203.730 by changing the saturation by 10% instead.


 32, 20.842,
203.730


 32, 20.842,
203.730

 100, 20.842,
203.730


 22, 20.842,
203.730

 52, 20.842,
203.730


 12, 20.842,
203.730


 62, 20.842,
203.730

 2, 20.842, 203.730

 72, 20.842,
203.730

 0, 20.842, 203.730

 82, 20.842,
203.730

 92, 20.842,
203.730

■ 32, 20.842,
203.730

■ 32, 20.842,
203.730

■ 32, 21.553,
204.190

■ 32, 19.951,
203.313

■ 32, 21.631,
204.237

■ 33, 18.641,
203.038

■ 33, 16.911,
202.893

■ 34, 14.784,
202.864

■ 34, 12.293,
202.938

■ 35, 9.483, 203.102

■ 36, 6.402, 203.349

■ 37, 3.099, 203.692

Harmonies

Complementary

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



32, 20.842, 203.730



17, 39.921, 34.555

Rectangle

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



32, 20.842, 203.730



32, 20.842, 253.730



32, 20.842, 23.730



32, 20.842, 73.730

Sweetspot

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



32, 20.842, 203.729



46, 11.068, 203.124



32, 50.550, 137.811



23, 7.465, 203.082



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



32, 20.842, 203.729



41, 26.037, 204.518



19, 29.982, 281.312



17, 1.922, 203.699



39, 24.803, 204.451



81, 43.922, 205.035

Inverse Universe

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



20, 48.472, 329.891



26, 61.682, 330.285



26, 33.648, 69.011



16, 3.559, 326.266



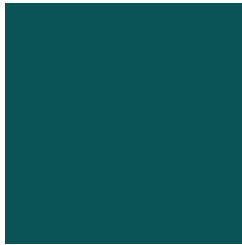
24, 58.750, 330.268



55, 104.170, 330.413

Previews

White Background



This preview shows how the CIELCh color 32, 20.842, 203.730 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 32, 20.842, 203.730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

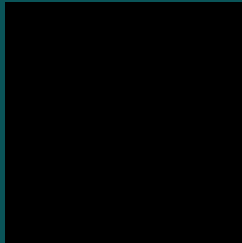
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 20.842, 203.730

Background



This preview shows how black text looks on a background with the CIELCh color 32, 20.842, 203.730.



This preview shows how white text looks on a background with the CIELCh color 32, 20.842, 203.730.

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

32, 20.842, 203.730

Protanopia

32, 4.437, 290.974

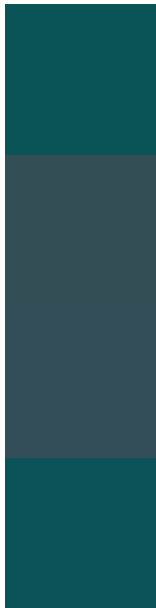
Deuteranopia

32, 10.165, 294.237



Tritanopia
32, 20.058, 209.780

Trichromacy



Original Color
32, 20.842, 203.730

Protanomaly
31, 10.810, 218.883

Deuteranomaly
32, 11.912, 234.452

Tritanomaly
32, 20.309, 207.704

Monochromacy



Original Color
32, 20.842, 203.730

Achromatopsia
26, 0.004, 296.813

Achromatomaly
28, 10.627, 201.303

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 20.842, 203.730 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(10, 84, 88)` looks like.

```
.text, #text, p{  
    color:rgb(10, 84, 88)  
}
```

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(10, 84, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 84, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 20.842, 203.730 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(10, 84, 88) }
```

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

```
.border{ border-color:rgb(10, 84, 88) }
```

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

Here you see how a box with a 4 pixel rgb(10, 84, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 84, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 84, 88);  
box-shadow:4px 4px 4px 4px rgb(10, 84, 88)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 20.842, 203.730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 84, 88) }
```

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

```
.background{ background-color: rgb(10, 84,  
88) }
```

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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