

Converting Colors

CIELCh(31, 30.626, 209.520)

Have a look what the booklet for
CIELCh(31, 30.626, 209.520)
contains.

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Color

CIELCh(32, 21.578, 217.737)

Conversions

Conversions Part 1

Format	Color
Hex	00535F
RGB	0, 83, 95
RGB Percent	0%, 33%, 37%
CMY	1.0000, 0.6727, 0.6257
CMYK	1.00, 0.13, 0.00, 0.63
HSL	188°, 100%, 19%
HSV	188°, 100%, 37%
XYZ	5.2016, 7.0852, 12.0285
YIQ	59.5510, -53.3200, -13.8640

Conversions

Conversions Part 2

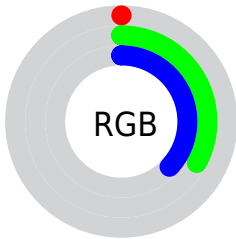
Format	Color
R_{YB}	0, 44, 95
Decimal	21343
CIE _{Lab}	32.00, -17.06, -13.21
CIE _{LCh}	32, 21.578, 217.737
Yxy	7.0852, 0.2139, 0.2914
Android (android.graphics.Color)	4278211423 (0xFF00535F)
YUV	59.5510, 17.4764, -52.2262
Hunter-Lab	26.6180, -11.6995, -8.1602

Details

The CIELCh color **32, 21.578, 217.737** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **19, 45.830, 38.844**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 21.488, 216.653**, and **13, 13.690, 232.897** is the 20% darker color. If you saturate the color by 10%, you get **32, 21.487, 217.839**, and if you desaturate by 10%, it is **33, 20.840, 216.256**.

Distribution



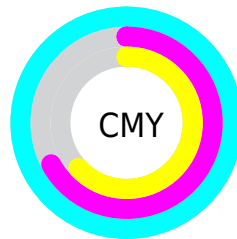
- Red (0%)
- Green (33%)
- Blue (37%)



- Red (0%)
- Yellow (17%)
- Blue (37%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (63%)





- Cyan (100%)
- Magenta (67%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 21.578, 217.737 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, 21.578, 217.737 by changing the saturation by 10% instead.


 32, 21.578,
217.737


 32, 21.578,
217.737

 100, 21.578,
217.737


 22, 21.578,
217.737

 52, 21.578,
217.737


 12, 21.578,
217.737


 62, 21.578,
217.737

 2, 21.578, 217.737

 72, 21.578,
217.737

 0, 21.578, 217.737

 82, 21.578,
217.737

 92, 21.578,
217.737

■ 32, 21.578,
217.737

■ 32, 21.578,
217.737

■ 32, 21.487,
217.839

■ 33, 20.840,
216.256

■ 33, 20.030,
214.769

■ 34, 18.794,
213.607

■ 35, 17.128,
212.728

■ 35, 15.051,
212.090

■ 36, 12.600,
211.653

■ 37, 9.820, 211.386

■ 38, 6.762, 211.261

Harmonies

Complementary

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



32, 21.578, 217.737



19, 45.830, 38.844

Rectangle

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



32, 21.578, 217.737



32, 21.578, 267.737



32, 21.578, 37.737



32, 21.578, 87.737

Sweetspot

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



32, 21.487, 217.839



48, 12.215, 211.404



35, 55.623, 137.995



24, 8.310, 211.470



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



32, 21.487, 217.839



42, 25.953, 218.604



16, 40.937, 290.851



19, 1.977, 211.289



38, 24.047, 218.317



77, 41.882, 219.897

Inverse Universe

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



20, 51.328, 333.558



28, 61.943, 333.747



28, 39.920, 73.050



18, 3.715, 328.518



25, 57.415, 333.676



55, 99.782, 334.067

Previews

White Background



This preview shows how the CIELCh color 32, 21.578, 217.737 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, 21.578, 217.737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

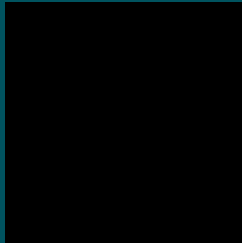
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 21.578, 217.737

Background



This preview shows how black text looks on a background with the CIELCh color 32, 21.578, 217.737.



This preview shows how white text looks on a background with the CIELCh color 32, 21.578, 217.737.

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, 21.408, 217.960

Protanopia

32, 9.516, 287.025

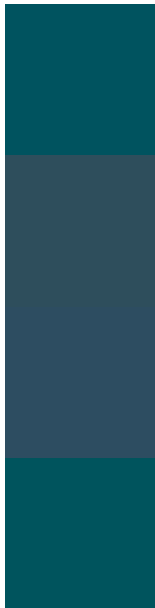
Deuteranopia

32, 15.226, 288.545



Tritanopia
32, 21.570, 208.672

Trichromacy



Original Color
32, 21.408, 217.960

Protanomaly
31, 14.024, 237.906

Deuteranomaly
31, 16.273, 250.383

Tritanomaly
32, 21.515, 212.296

Monochromacy



Original Color
32, 21.408, 217.960

Achromatopsia
25, 0.004, 296.813

Achromatomaly
27, 11.872, 210.445

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 21.578, 217.737 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, 83, 95)` looks like.

```
.text, #text, p{  
    color:rgb(0, 83, 95)  
}
```

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, 83, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 83, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 21.578, 217.737 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, 83, 95) }
```

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

```
.border{ border-color:rgb(0, 83, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 83, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 83, 95); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 83, 95); box-shadow:4px  
4px 4px 4px rgb(0, 83, 95) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 21.578, 217.737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 83, 95) }
```

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

```
.background{ background-color: rgb(0, 83,  
95) }
```

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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