

Converting Colors

CIELCh(32, 16.965, 217.193)

Have a look what the booklet for
CIELCh(32, 16.965, 217.193)
contains.

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Color

CIELCh(32, 17.049, 217.081)

Conversions

Conversions Part 1

Format	Color
Hex	20525B
RGB	32, 82, 91
RGB Percent	13%, 32%, 36%
CMY	0.8748, 0.6787, 0.6434
CMYK	0.65, 0.10, 0.00, 0.64
HSL	189°, 48%, 24%
HSV	189°, 65%, 36%
XYZ	5.4915, 7.0852, 10.9611
YIQ	68.0760, -32.6890, -7.8010

Conversions

Conversions Part 2

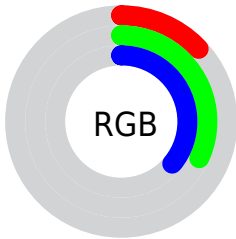
Format	Color
R_{YB}	32, 59, 91
Decimal	2118235
CIE Lab	32.00, -13.60, -10.28
CIE LCh	32, 17.049, 217.081
Yxy	7.0852, 0.2333, 0.3010
Android (android.graphics.Color)	4280308315 (0xFF20525B)
YUV	68.0760, 11.3015, -31.6387
Hunter-Lab	26.6180, -9.7554, -5.7826

Details

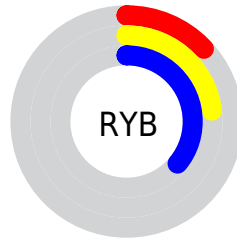
The CIELCh color **32, 17.049, 217.081** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **23, 27.619, 36.940**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 17.012, 215.922**, and **13, 12.963, 223.761** is the 20% darker color. If you saturate the color by 10%, you get **31, 18.466, 218.378**, and if you desaturate by 10%, it is **33, 15.242, 216.088**.

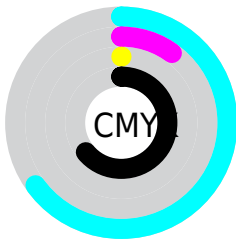
Distribution



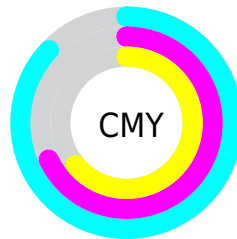
- Red (13%)
- Green (32%)
- Blue (36%)



- Red (13%)
- Yellow (23%)
- Blue (36%)



- Cyan (65%)
- Magenta (10%)
- Yellow (0%)
- Black (64%)





- Cyan (87%)
- Magenta (68%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 17.049, 217.081 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, 17.049, 217.081 by changing the saturation by 10% instead.


 32, 17.049,
217.081


 32, 17.049,
217.081

 100, 17.049,
217.081


 22, 17.049,
217.081


 52, 17.049,
217.081


 12, 17.049,
217.081


 62, 17.049,
217.081

 2, 17.049, 217.081

 72, 17.049,
217.081

 0, 17.049, 217.081

 82, 17.049,
217.081

 92, 17.049,
217.081

■ 32, 17.049,
217.081

■ 32, 17.049,
217.081

■ 31, 18.466,
218.378

■ 33, 15.242,
216.088

■ 31, 19.486,
220.037

■ 34, 13.075,
215.354

■ 30, 20.198,
222.003

■ 35, 10.584,
214.834

■ 30, 20.564,
222.973

■ 36, 7.814, 214.492

■ 37, 4.811, 214.303

■ 38, 1.618, 214.329

■ 39, 1.726, 33.941

■ 41, 5.185, 34.116

■ 42, 8.731, 34.249

Harmonies

Complementary

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



32, 17.049, 217.081



23, 27.619, 36.940

Rectangle

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



32, 17.049, 217.081



32, 17.049, 267.081



32, 17.049, 37.081



32, 17.049, 87.081

Sweetspot

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



32, 17.049, 217.080



47, 7.476, 214.373



34, 38.734, 143.186



23, 5.066, 214.409



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, 17.049, 217.080



40, 22.825, 219.248



22, 26.059, 281.844



18, 1.853, 214.272



36, 23.428, 223.685



75, 41.230, 225.724

Inverse Universe

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



23, 38.109, 332.677



28, 52.793, 333.616



31, 26.344, 81.634



17, 3.482, 329.381



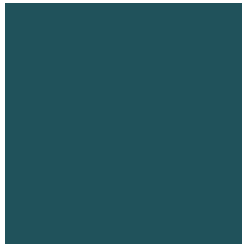
24, 55.387, 335.016



54, 96.919, 335.535

Previews

White Background



This preview shows how the CIELCh color 32, 17.049, 217.081 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, 17.049, 217.081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

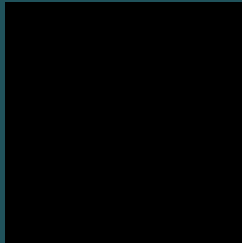
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 17.049, 217.081

Background



This preview shows how black text looks on a background with the CIELCh color 32, 17.049, 217.081.



This preview shows how white text looks on a background with the CIELCh color 32, 17.049, 217.081.

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, 17.049, 217.081

Protanopia

32, 7.622, 288.465

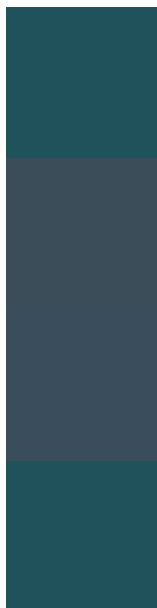
Deuteranopia

32, 12.048, 290.428



Tritanopia
32, 17.149, 212.383

Trichromacy



Original Color
32, 17.049, 217.081

Protanomaly
32, 9.889, 243.884

Deuteranomaly
32, 11.637, 254.087

Tritanomaly
32, 17.187, 214.608

Monochromacy



Original Color
32, 17.049, 217.081

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 7.478, 213.379

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 17.049, 217.081 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(32, 82, 91)` looks like.

```
.text, #text, p{  
    color:rgb(32, 82, 91)  
}
```

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(32, 82, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 82, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 17.049, 217.081 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(32, 82, 91) }
```

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

```
.border{ border-color:rgb(32, 82, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 82, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 82, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 82, 91);  
box-shadow:4px 4px 4px 4px rgb(32, 82, 91)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 17.049, 217.081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 82, 91) }
```

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

```
.background{ background-color: rgb(32, 82,  
91) }
```

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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