

Converting Colors

CIELCh(32, 20.543, 214.657)

Have a look what the booklet for
CIELCh(32, 20.543, 214.657)
contains.

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Color

CIELCh(32, 20.464, 215.177)

Conversions

Conversions Part 1

Format	Color
Hex	0B535D
RGB	11, 83, 93
RGB Percent	4%, 33%, 36%
CMY	0.9587, 0.6736, 0.6344
CMYK	0.89, 0.11, 0.00, 0.63
HSL	187°, 80%, 20%
HSV	187°, 89%, 37%
XYZ	5.2294, 7.0852, 11.5034
YIQ	62.6120, -46.1220, -12.1540

Conversions

Conversions Part 2

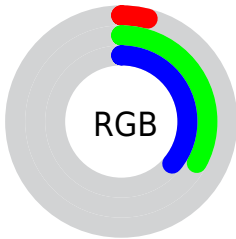
Format	Color
RYB	11, 49, 93
Decimal	742237
CIELab	32.00, -16.73, -11.79
CIELCh	32, 20.464, 215.177
Yxy	7.0852, 0.2196, 0.2975
Android (android.graphics.Color)	4278932317 (0xFF0B535D)
YUV	62.6120, 14.9813, -45.2637
Hunter-Lab	26.6180, -11.5130, -6.9907

Details

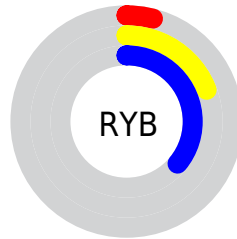
The CIELCh color **32, 20.464, 215.177** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **20, 40.861, 37.920**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 20.426, 214.256**, and **13, 13.289, 226.539** is the 20% darker color. If you saturate the color by 10%, you get **31, 21.111, 216.672**, and if you desaturate by 10%, it is **33, 19.608, 213.814**.

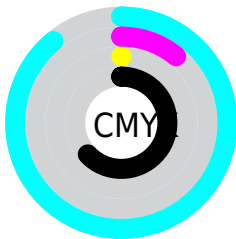
Distribution



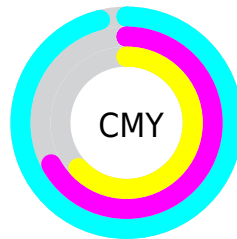
- Red (4%)
- Green (33%)
- Blue (36%)



- Red (4%)
- Yellow (19%)
- Blue (36%)



- Cyan (89%)
- Magenta (11%)
- Yellow (0%)
- Black (63%)




- Cyan (96%)
- Magenta (67%)
- Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 20.464, 215.177 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, 20.464, 215.177 by changing the saturation by 10% instead.


 32, 20.464,
215.177


 32, 20.464,
215.177

 100, 20.464,
215.177


 22, 20.464,
215.177

 52, 20.464,
215.177


 12, 20.464,
215.177


 62, 20.464,
215.177

 2, 20.464, 215.177

 72, 20.464,
215.177

 0, 20.464, 215.177

 82, 20.464,
215.177

 92, 20.464,
215.177

■ 32, 20.464,
215.177

■ 32, 20.464,
215.177

■ 31, 21.111,
216.672

■ 33, 19.608,
213.814

■ 31, 21.197,
216.856

■ 33, 18.330,
212.758

■ 34, 16.631,
211.966

■ 35, 14.533,
211.400

■ 36, 12.073,
211.024

■ 37, 9.297, 210.806

■ 38, 6.253, 210.724

■ 39, 2.989, 210.783

Harmonies

Complementary

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



32, 20.464, 215.177



20, 40.861, 37.920

Rectangle

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



32, 20.464, 215.177



32, 20.464, 265.177



32, 20.464, 35.177



32, 20.464, 85.177

Sweetspot

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



32, 20.463, 215.176



48, 10.968, 210.794



34, 51.118, 139.127



23, 7.269, 210.826



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



32, 20.463, 215.176



41, 25.638, 217.607



18, 35.222, 287.059



18, 1.897, 210.782



37, 23.722, 217.322



77, 41.641, 218.879

Inverse Universe

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



21, 48.197, 332.742



27, 61.260, 333.500



29, 35.449, 74.936



17, 3.560, 328.363



24, 56.696, 333.430



55, 99.353, 333.815

Previews

White Background



This preview shows how the CIELCh color 32, 20.464, 215.177 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, 20.464, 215.177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

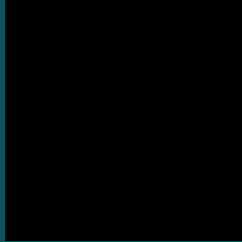
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 20.464, 215.177

Background



This preview shows how black text looks on a background with the CIELCh color 32, 20.464, 215.177.



This preview shows how white text looks on a background with the CIELCh color 32, 20.464, 215.177.

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, 20.376, 215.270

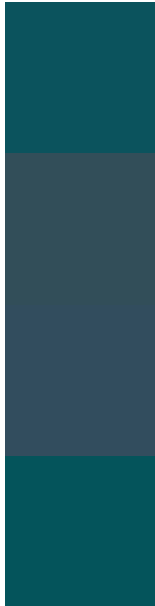
Protanopia
32, 7.629, 285.403

Deuteranopia
32, 13.320, 289.179



Tritanopia
32, 21.626, 206.870

Trichromacy



Original Color
32, 20.376, 215.270

Protanomaly
31, 12.168, 233.549

Deuteranomaly
31, 14.099, 249.005

Tritanomaly
32, 21.202, 208.927

Monochromacy



Original Color
32, 20.376, 215.270

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 10.322, 212.590

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 20.464, 215.177 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(11, 83, 93)` looks like.

```
.text, #text, p{  
    color:rgb(11, 83, 93)  
}
```

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(11, 83, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 83, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 20.464, 215.177 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(11, 83, 93) }
```

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

```
.border{ border-color:rgb(11, 83, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 83, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 83, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 83, 93);  
box-shadow:4px 4px 4px 4px rgb(11, 83, 93)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 20.464, 215.177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 83, 93) }
```

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

```
.background{ background-color: rgb(11, 83,  
93) }
```

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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