

Converting Colors

CIELCh(32, 20.961, 227.872)

Have a look what the booklet for
CIELCh(32, 20.961, 227.872)
contains.

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Color

CIELCh(32, 20.928, 226.492)

Conversions

Conversions Part 1

Format	Color
Hex	0A5363
RGB	10, 83, 99
RGB Percent	4%, 33%, 39%
CMY	0.9602, 0.6760, 0.6133
CMYK	0.90, 0.16, 0.00, 0.61
HSL	191°, 81%, 21%
HSV	191°, 90%, 39%
XYZ	5.4230, 7.0852, 12.7854
YIQ	62.9970, -48.6440, -10.5000

Conversions

Conversions Part 2

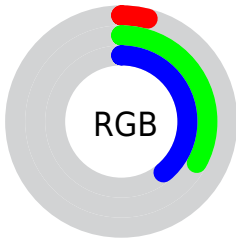
Format	Color
R_{YB}	10, 50, 99
Decimal	676707
CIE _{Lab}	32.00, -14.41, -15.18
CIE _{LCh}	32, 20.928, 226.492
Yxy	7.0852, 0.2144, 0.2801
Android (android.graphics.Color)	4278866787 (0xFF0A5363)
YUV	62.9970, 17.7495, -46.4784
Hunter-Lab	26.6180, -10.2145, -9.8461

Details

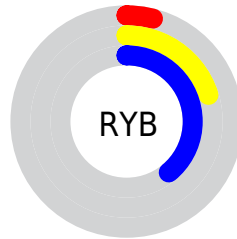
The CIELCh color **32, 20.928, 226.492** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **22, 42.254, 41.162**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 21.022, 226.028**, and **13, 14.555, 241.646** is the 20% darker color. If you saturate the color by 10%, you get **31, 21.679, 228.994**, and if you desaturate by 10%, it is **33, 20.017, 224.153**.

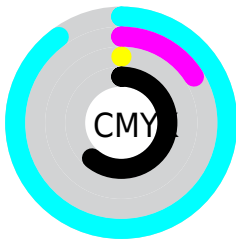
Distribution



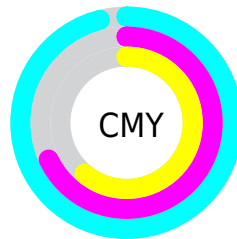
- Red (4%)
- Green (33%)
- Blue (39%)



- Red (4%)
- Yellow (20%)
- Blue (39%)



- Cyan (90%)
- Magenta (16%)
- Yellow (0%)
- Black (61%)





- Cyan (96%)
- Magenta (68%)
- Yellow (61%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 20.928, 226.492 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, 20.928, 226.492 by changing the saturation by 10% instead.

 32, 20.928,
226.492


 32, 20.928,
226.492

 100, 20.928,
226.492


 22, 20.928,
226.492

 52, 20.928,
226.492


 12, 20.928,
226.492


 62, 20.928,
226.492

 2, 20.928, 226.492

 72, 20.928,
226.492

 0, 20.928, 226.492

 82, 20.928,
226.492

 92, 20.928,
226.492

■ 32, 20.928,
226.492

■ 32, 20.928,
226.492

■ 31, 21.679,
228.994

■ 33, 20.017,
224.153

■ 31, 21.701,
229.063

■ 34, 18.707,
222.280

■ 35, 16.990,
220.810

■ 36, 14.883,
219.680

■ 37, 12.420,
218.830

■ 38, 9.643, 218.212

■ 39, 6.600, 217.786

■ 40, 3.338, 217.539

Harmonies

Complementary

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



32, 20.928, 226.492



22, 42.254, 41.162

Rectangle

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



32, 20.928, 226.492



32, 20.928, 276.492



32, 20.928, 46.492



32, 20.928, 96.492

Sweetspot

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



32, 20.927, 226.492



49, 10.894, 218.116



36, 52.243, 140.101



24, 7.224, 218.225



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, 20.927, 226.492



40, 26.069, 230.144



18, 40.552, 291.124



19, 1.904, 217.529



36, 23.781, 229.633



73, 41.664, 232.009

Inverse Universe

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



22, 48.391, 335.620



28, 60.308, 336.684



32, 37.771, 79.070



18, 3.573, 330.338



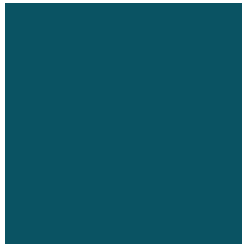
24, 55.131, 336.549



55, 95.589, 337.182

Previews

White Background



This preview shows how the CIELCh color 32, 20.928, 226.492 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, 20.928, 226.492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

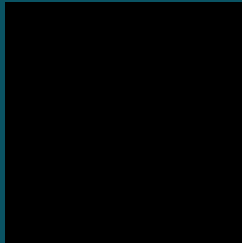
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 20.928, 226.492

Background



This preview shows how black text looks on a background with the CIELCh color 32, 20.928, 226.492.



This preview shows how white text looks on a background with the CIELCh color 32, 20.928, 226.492.

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, 21.005, 226.365

Protanopia

32, 11.466, 284.336

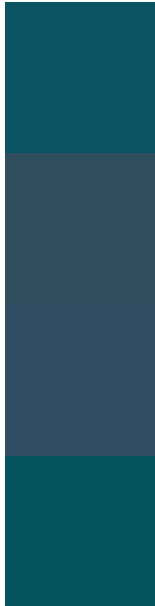
Deuteranopia

32, 17.156, 286.961



Tritanopia
32, 21.626, 206.870

Trichromacy



Original Color
32, 21.005, 226.365

Protanomaly
32, 14.477, 247.050

Deuteranomaly
31, 17.158, 257.677

Tritanomaly
32, 20.988, 214.645

Monochromacy



Original Color
32, 21.005, 226.365

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 10.542, 219.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 20.928, 226.492 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, 83, 99)` looks like.

```
.text, #text, p{  
    color:rgb(10, 83, 99)  
}
```

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, 83, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 83, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 20.928, 226.492 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, 83, 99) }
```

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

```
.border{ border-color:rgb(10, 83, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 83, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 83, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 83, 99);  
box-shadow:4px 4px 4px 4px rgb(10, 83, 99)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 20.928, 226.492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 83, 99) }
```

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

```
.background{ background-color: rgb(10, 83,  
99) }
```

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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