

Converting Colors

CIELCh(32, 20.164, 199.103)

Have a look what the booklet for
CIELCh(32, 20.164, 199.103)
contains.

CIELCh(32, 20.242, 198.488)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(32, 20.242, 198.488)

Conversions

Conversions Part 1

Format	Color
Hex	125455
RGB	18, 84, 85
RGB Percent	7%, 33%, 33%
CMY	0.9307, 0.6714, 0.6675
CMYK	0.79, 0.01, 0.00, 0.67
HSL	181°, 65%, 20%
HSV	181°, 79%, 33%
XYZ	5.0282, 7.0852, 9.6524
YIQ	64.3800, -39.6570, -13.6810

Conversions

Conversions Part 2

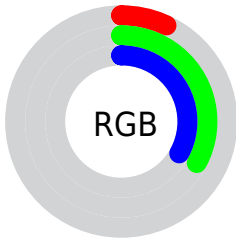
Format	Color
R_{YB}	18, 51, 85
Decimal	1201237
CIE Lab	32.00, -19.20, -6.42
CIE LCh	32, 20.242, 198.488
Yxy	7.0852, 0.2310, 0.3255
Android (android.graphics.Color)	4279391317 (0xFF125455)
YUV	64.3800, 10.1657, -40.6753
Hunter-Lab	26.6180, -12.8621, -2.8676

Details

The CIELCh color **32, 20.242, 198.488** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **18, 35.488, 31.700**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 20.283, 199.072**, and **13, 13.144, 202.894** is the 20% darker color. If you saturate the color by 10%, you get **32, 21.189, 198.504**, and if you desaturate by 10%, it is **32, 18.887, 198.545**.

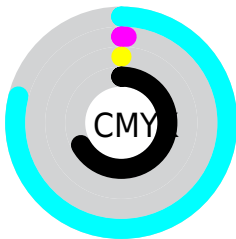
Distribution



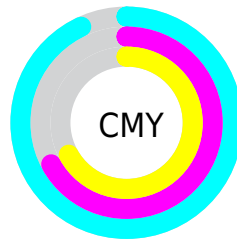
- Red (7%)
- Green (33%)
- Blue (33%)



- Red (7%)
- Yellow (20%)
- Blue (33%)



- Cyan (79%)
- Magenta (1%)
- Yellow (0%)
- Black (67%)



- Cyan (93%)
- Magenta (67%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 20.242, 198.488 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, 20.242, 198.488 by changing the saturation by 10% instead.

 32, 20.242,
198.488

 32, 20.242,
198.488

 100, 20.242,
198.488

 22, 20.242,
198.488

 52, 20.242,
198.488

 12, 20.242,
198.488


 62, 20.242,
198.488

 2, 20.242, 198.488

 72, 20.242,
198.488

 0, 20.242, 198.488

 82, 20.242,
198.488

 92, 20.242,
198.488

■ 32, 20.242,
198.488

■ 32, 20.242,
198.488

■ 32, 21.189,
198.504

■ 32, 18.887,
198.545

■ 32, 21.985,
198.544

■ 33, 17.122,
198.678

■ 32, 22.054,
198.547

■ 33, 14.965,
198.883

■ 33, 12.450,
199.153

■ 34, 9.618, 199.486

■ 35, 6.516, 199.877

■ 35, 3.193, 200.345

■ 36, 0.305, 19.730

■ 37, 3.935, 21.118

Harmonies

Complementary

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



32, 20.242, 198.488



18, 35.488, 31.700

Rectangle

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



32, 20.242, 198.488



32, 20.242, 248.488



32, 20.242, 18.488



32, 20.242, 68.488

Sweetspot

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



32, 20.242, 198.487



44, 9.932, 199.648



31, 46.878, 137.844



22, 6.829, 199.563



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



32, 20.242, 198.487



41, 26.019, 198.577



21, 23.870, 272.486



17, 1.991, 200.363



40, 25.940, 198.614



84, 46.052, 198.767

Inverse Universe

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



20, 45.501, 328.325



25, 60.177, 328.718



25, 29.177, 66.108



16, 3.648, 325.258



24, 60.362, 328.804



55, 107.224, 328.843

Previews

White Background



This preview shows how the CIELCh color 32, 20.242, 198.488 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, 20.242, 198.488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

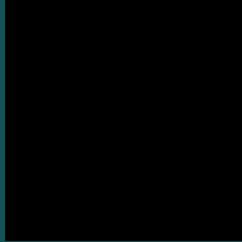
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 20.242, 198.488

Background



This preview shows how black text looks on a background with the CIELCh color 32, 20.242, 198.488.



This preview shows how white text looks on a background with the CIELCh color 32, 20.242, 198.488.

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, 20.242, 198.488

Protanopia

32, 2.537, 290.643

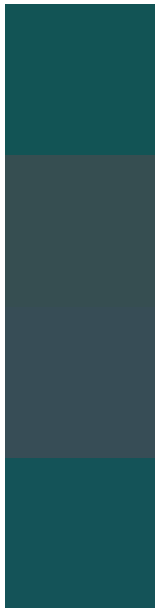
Deuteranopia

32, 9.072, 302.195



Tritanopia
32, 18.992, 210.647

Trichromacy



Original Color
32, 20.242, 198.488

Protanomaly
31, 9.544, 209.712

Deuteranomaly
31, 9.988, 233.611

Tritanomaly
32, 19.354, 206.404

Monochromacy



Original Color
32, 20.242, 198.488

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 9.590, 201.845

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 20.242, 198.488 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(18, 84, 85)` looks like.

```
.text, #text, p{  
    color:rgb(18, 84, 85)  
}
```

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(18, 84, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 84, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 20.242, 198.488 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(18, 84, 85) }
```

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

```
.border{ border-color:rgb(18, 84, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 84, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 84, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 84, 85);  
box-shadow:4px 4px 4px 4px rgb(18, 84, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 20.242, 198.488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 84, 85) }
```

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

```
.background{ background-color: rgb(18, 84,  
85) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor