

Converting Colors

CIELCh(32, 20.121, 197.040)

Have a look what the booklet for
CIELCh(32, 20.121, 197.040)
contains.

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Color

CIELCh(32, 20.242, 196.658)

Conversions

Conversions Part 1

Format	Color
Hex	135454
RGB	19, 84, 84
RGB Percent	7%, 33%, 33%
CMY	0.9265, 0.6713, 0.6713
CMYK	0.78, 0.00, 0.00, 0.67
HSL	180°, 63%, 20%
HSV	180°, 78%, 33%
XYZ	5.0126, 7.0852, 9.4537
YIQ	64.5650, -38.7400, -13.7800

Conversions

Conversions Part 2

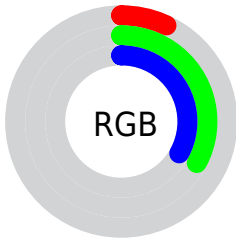
Format	Color
R_{YB}	19, 52, 84
Decimal	1266772
CIE Lab	32.00, -19.39, -5.80
CIE LCh	32, 20.242, 196.658
Yxy	7.0852, 0.2326, 0.3288
Android (android.graphics.Color)	4279456852 (0xFF135454)
YUV	64.5650, 9.5815, -39.9605
Hunter-Lab	26.6180, -12.9672, -2.4249

Details

The CIELCh color **32, 20.242, 196.658** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **17, 34.733, 30.692**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 20.213, 195.743**, and **13, 13.284, 199.602** is the 20% darker color. If you saturate the color by 10%, you get **32, 21.281, 196.522**, and if you desaturate by 10%, it is **32, 18.796, 196.845**.

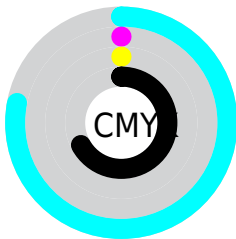
Distribution



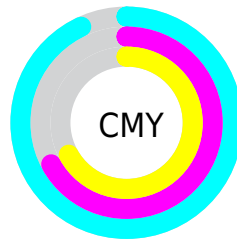
- Red (7%)
- Green (33%)
- Blue (33%)



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



- Cyan (78%)
- Magenta (0%)
- Yellow (0%)
- Black (67%)





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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 20.242, 196.658 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, 196.658 by changing the saturation by 10% instead.


 32, 20.242,
196.658


 32, 20.242,
196.658

 100, 20.242,
196.658


 22, 20.242,
196.658

 52, 20.242,
196.658


 12, 20.242,
196.658


 62, 20.242,
196.658

 2, 20.242, 196.658

 72, 20.242,
196.658

 0, 20.242, 196.658

 82, 20.242,
196.658

 92, 20.242,
196.658

■ 32, 20.242,
196.658

■ 32, 20.242,
196.658

■ 32, 21.281,
196.522

■ 32, 18.796,
196.845

■ 32, 22.114,
196.415

■ 33, 16.946,
197.090

■ 32, 22.313,
196.390

■ 33, 14.710,
197.389

■ 33, 12.122,
197.741

■ 34, 9.225, 198.144

■ 34, 6.066, 198.599

■ 35, 2.694, 199.134

■ 36, 0.847, 19.181

■ 37, 4.513, 19.993

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, 196.658



17, 34.733, 30.692

Rectangle

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



32, 20.242, 196.658



32, 20.242, 246.658



32, 20.242, 16.658



32, 20.242, 66.658

Sweetspot

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



32, 20.242, 196.657



44, 9.697, 198.313



31, 45.858, 138.001



22, 6.717, 198.209



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, 196.657



42, 26.383, 196.446



21, 23.221, 271.906



16, 1.921, 199.070



40, 26.020, 196.390



84, 46.663, 196.390

Inverse Universe

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



20, 45.014, 327.798



25, 60.352, 328.139



25, 28.318, 66.330



15, 3.500, 324.852



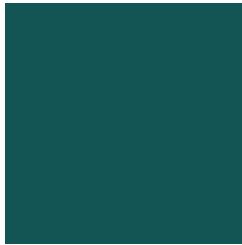
24, 60.005, 328.233



55, 107.608, 328.234

Previews

White Background



This preview shows how the CIELCh color 32, 20.242, 196.658 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, 196.658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

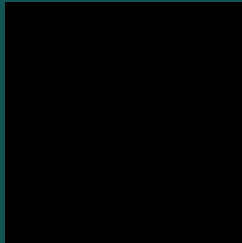
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 20.242, 196.658

Background



This preview shows how black text looks on a background with the CIELCh color 32, 20.242, 196.658.



This preview shows how white text looks on a background with the CIELCh color 32, 20.242, 196.658.

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, 196.658

Protanopia

32, 1.957, 303.220

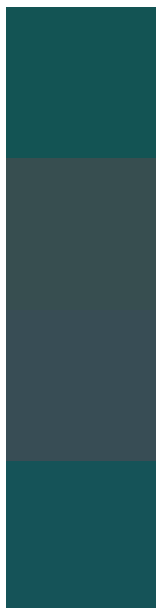
Deuteranopia

32, 8.450, 302.924



Tritanopia
32, 18.835, 210.782

Trichromacy



Original Color
32, 20.242, 196.658

Protanomaly
31, 9.165, 206.155

Deuteranomaly
31, 9.413, 231.346

Tritanomaly
32, 19.203, 206.498

Monochromacy



Original Color
32, 20.242, 196.658

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 9.293, 197.978

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 20.242, 196.658 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(19, 84, 84)` looks like.

```
.text, #text, p{  
    color:rgb(19, 84, 84)  
}
```

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(19, 84, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 84, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 20.242, 196.658 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(19, 84, 84) }
```

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

```
.border{ border-color:rgb(19, 84, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 84, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 84, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 84, 84);  
box-shadow:4px 4px 4px 4px rgb(19, 84, 84)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 20.242, 196.658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 84, 84) }
```

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

```
.background{ background-color: rgb(19, 84,  
84) }
```

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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