

Converting Colors

CIELCh(32, 19.960, 184.307)

Have a look what the booklet for
CIELCh(32, 19.960, 184.307)
contains.

CIELCh(32, 20.104, 183.771)	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, 20.104, 183.771)

Conversions

Conversions Part 1

Format	Color
Hex	1C544D
RGB	28, 84, 77
RGB Percent	11%, 33%, 30%
CMY	0.8911, 0.6714, 0.6988
CMYK	0.67, 0.00, 0.08, 0.67
HSL	173°, 50%, 22%
HSV	173°, 67%, 33%
XYZ	4.9592, 7.0852, 8.0902
YIQ	66.4580, -31.1290, -14.0490

Conversions

Conversions Part 2

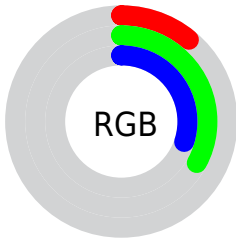
Format	Color
R_{YB}	28, 58, 84
Decimal	1856589
CIE _{Lab}	32.00, -20.06, -1.32
CIE _{LCh}	32, 20.104, 183.771
Yxy	7.0852, 0.2463, 0.3519
Android (android.graphics.Color)	4280046669 (0xFF1C544D)
YUV	66.4580, 5.1972, -33.7277
Hunter-Lab	26.6180, -13.3251, 0.6120

Details

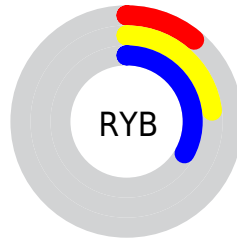
The CIELCh color **32, 20.104, 183.771** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **19, 28.224, 18.796**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 19.966, 183.858**, and **13, 14.843, 181.839** is the 20% darker color. If you saturate the color by 10%, you get **32, 21.925, 182.800**, and if you desaturate by 10%, it is **32, 17.899, 184.677**.

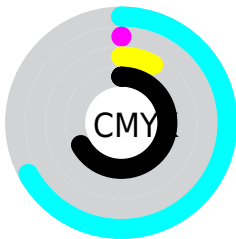
Distribution



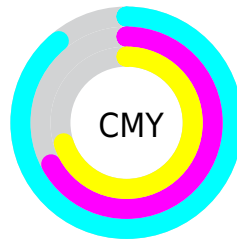
- Red (11%)
- Green (33%)
- Blue (30%)



- Red (11%)
- Yellow (23%)
- Blue (33%)



- Cyan (67%)
- Magenta (0%)
- Yellow (8%)
- Black (67%)





- Cyan (89%)
- Magenta (67%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 20.104, 183.771 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, 20.104, 183.771 by changing the saturation by 10% instead.


 32, 20.104,
183.771


 32, 20.104,
183.771

 100, 20.104,
183.771


 22, 20.104,
183.771

 52, 20.104,
183.771


 12, 20.104,
183.771


 62, 20.104,
183.771

 2, 20.104, 183.771

 72, 20.104,
183.771

 0, 20.104, 183.771

 82, 20.104,
183.771

 92, 20.104,
183.771

■ 32, 20.104,
183.771

■ 32, 20.104,
183.771

■ 32, 21.925,
182.800

■ 32, 17.899,
184.677

■ 32, 23.348,
181.751

■ 33, 15.340,
185.535

■ 31, 24.547,
180.690

■ 33, 12.469,
186.356

■ 31, 24.930,
180.378

■ 34, 9.334, 187.152

■ 34, 5.988, 187.935

■ 35, 2.479, 188.750

■ 36, 1.148, 9.121

■ 37, 4.852, 10.028

■ 38, 8.601, 10.760

Harmonies

Complementary

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



32, 20.104, 183.771



19, 28.224, 18.796

Rectangle

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



32, 20.104, 183.771



32, 20.104, 233.771



32, 20.104, 3.771



32, 20.104, 53.771

Sweetspot

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



32, 20.104, 183.770



45, 8.798, 187.635



31, 39.606, 136.639



22, 6.028, 187.501



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, 20.104, 183.770



41, 27.526, 182.188



25, 17.115, 251.068



16, 1.968, 188.591



39, 29.192, 179.962



83, 52.862, 178.961

Inverse Universe

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



19, 28.224, 18.796



24, 42.021, 23.871



24, 24.192, 54.940



15, 2.045, 9.737



20, 48.924, 31.048



49, 91.662, 35.206

Previews

White Background



This preview shows how the CIELCh color 32, 20.104, 183.771 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 CIE LCh color 32, 20.104, 183.771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

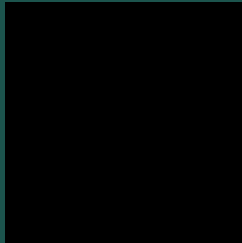
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 20.104, 183.771

Background



This preview shows how black text looks on a background with the CIELCh color 32, 20.104, 183.771.



This preview shows how white text looks on a background with the CIELCh color 32, 20.104, 183.771.

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, 20.104, 183.771

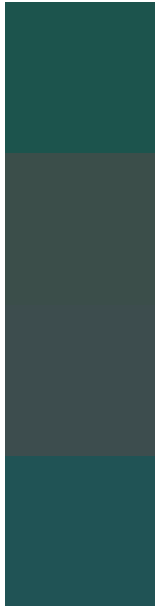
Protanopia
32, 2.083, 84.614

Deuteranopia
32, 4.885, 329.050



Tritanopia
32, 16.513, 213.058

Trichromacy



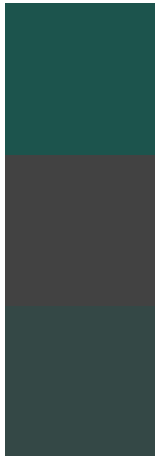
Original Color
32, 20.104, 183.771

Protanomaly
32, 8.369, 180.446

Deuteranomaly
31, 6.582, 204.050

Tritanomaly
32, 17.339, 201.290

Monochromacy



Original Color
32, 20.104, 183.771

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 8.416, 189.255

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 20.104, 183.771 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(28, 84, 77)` looks like.

```
.text, #text, p{  
    color:rgb(28, 84, 77)  
}
```

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(28, 84, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 84, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 20.104, 183.771 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(28, 84, 77) }
```

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

```
.border{ border-color:rgb(28, 84, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 84, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 84, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 84, 77);  
box-shadow:4px 4px 4px 4px rgb(28, 84, 77)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 20.104, 183.771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 84, 77) }
```

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

```
.background{ background-color: rgb(28, 84,  
77) }
```

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