

Converting Colors

CIELCh(20, 13.829, 197.582)

Have a look what the booklet for
CIELCh(20, 13.829, 197.582)
contains.

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Color

CIELCh(20, 13.964, 196.858)

Conversions

Conversions Part 1

Format	Color
Hex	0F3636
RGB	15, 54, 54
RGB Percent	6%, 21%, 21%
CMY	0.9419, 0.7888, 0.7888
CMYK	0.72, 0.00, 0.00, 0.79
HSL	180°, 57%, 13%
HSV	180°, 72%, 21%
XYZ	2.1684, 2.9891, 3.9340
YIQ	42.3390, -23.2440, -8.2680

Conversions

Conversions Part 2

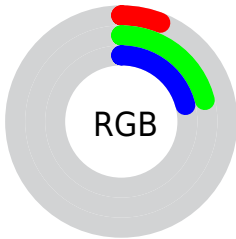
Format	Color
R_{YB}	15, 35, 54
Decimal	996918
CIE Lab	20.00, -13.36, -4.05
CIE LCh	20, 13.964, 196.858
Yxy	2.9891, 0.2385, 0.3288
Android (android.graphics.Color)	4279186998 (0xFF0F3636)
YUV	42.3390, 5.7489, -23.9763
Hunter-Lab	17.2889, -7.8680, -1.3891

Details

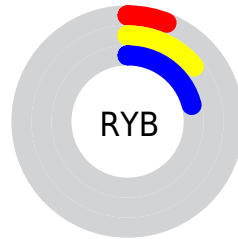
The CIELCh color **20, 13.964, 196.858** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **10, 21.683, 25.554**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 14.084, 197.704**, and **0, 3.636, 285.805** is the 20% darker color. If you saturate the color by 10%, you get **20, 14.989, 196.677**, and if you desaturate by 10%, it is **20, 12.681, 197.083**.

Distribution



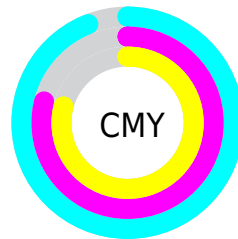
- Red (6%)
- Green (21%)
- Blue (21%)



- Red (6%)
- Yellow (14%)
- Blue (21%)



- Cyan (72%)
- Magenta (0%)
- Yellow (0%)
- Black (79%)





- Cyan (94%)
- Magenta (79%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 13.964, 196.858 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 20, 13.964, 196.858 by changing the saturation by 10% instead.

 20, 13.964,
196.858


 20, 13.964,
196.858


 100, 13.964,
196.858


 10, 13.964,
196.858


 40, 13.964,
196.858

 0, 13.964, 196.858

 50, 13.964,
196.858

 60, 13.964,
196.858

 70, 13.964,
196.858

 80, 13.964,
196.858

 90, 13.964,

196.858

■ 20, 13.964,
196.858

■ 20, 13.964,
196.858

■ 20, 14.989,
196.677

■ 20, 12.681,
197.083

■ 20, 15.928,
196.514

■ 20, 11.150,
197.358

■ 20, 16.653,
196.389

■ 21, 9.392, 197.678

■ 21, 7.431, 198.041

■ 21, 5.295, 198.448

■ 22, 3.012, 198.908

■ 22, 0.611, 199.651

■ 23, 1.883, 19.653

■ 24, 4.446, 20.219

Harmonies

Complementary

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



20, 13.964, 196.858



10, 21.683, 25.554

Rectangle

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



20, 13.964, 196.858



20, 13.964, 246.858



20, 13.964, 16.858



20, 13.964, 66.858

Sweetspot

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



20, 13.964, 196.856



28, 6.356, 198.425



19, 30.643, 139.110



13, 4.308, 198.404



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



20, 13.964, 196.856



26, 18.378, 196.560



13, 15.100, 268.426



10, 1.395, 199.125



35, 23.757, 196.390



80, 44.719, 196.390

Inverse Universe

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



12, 30.306, 327.492



15, 41.389, 327.952



15, 17.693, 67.218



9, 2.536, 324.803



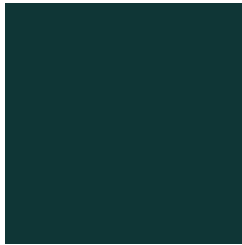
20, 54.785, 328.233



52, 103.124, 328.233

Previews

White Background



This preview shows how the CIELCh color 20, 13.964, 196.858 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 20, 13.964, 196.858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

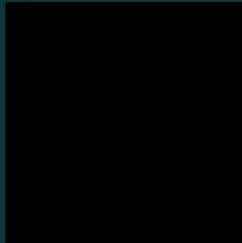
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 13.964, 196.858

Background



This preview shows how black text looks on a background with the CIELCh color 20, 13.964, 196.858.



This preview shows how white text looks on a background with the CIELCh color 20, 13.964, 196.858.

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

20, 13.964, 196.858

Protanopia

20, 1.447, 309.182

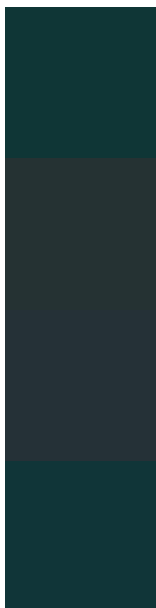
Deuteranopia

20, 5.640, 305.243



Tritanopia
20, 12.953, 212.626

Trichromacy



Original Color
20, 13.964, 196.858

Protanomaly
20, 5.680, 205.288

Deuteranomaly
19, 6.390, 238.798

Tritanomaly
20, 13.188, 206.086

Monochromacy



Original Color
20, 13.964, 196.858

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 6.154, 198.160

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 13.964, 196.858 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(15, 54, 54)` looks like.

```
.text, #text, p{  
    color:rgb(15, 54, 54)  
}
```

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(15, 54, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 54, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 13.964, 196.858 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(15, 54, 54) }
```

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

```
.border{ border-color:rgb(15, 54, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 54, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 54, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 54, 54);  
box-shadow:4px 4px 4px 4px rgb(15, 54, 54)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 13.964, 196.858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 54, 54) }
```

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

```
.background{ background-color: rgb(15, 54,  
54) }
```

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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