

Converting Colors

CIELCh(20, 24.412, 161.687)

Have a look what the booklet for
CIELCh(20, 24.412, 161.687)
contains.

CIELCh(20, 24.288, 161.281)	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(20, 24.288, 161.281)

Conversions

Conversions Part 1

Format	Color
Hex	003824
RGB	0, 56, 36
RGB Percent	0%, 22%, 14%
CMY	0.9988, 0.7792, 0.8577
CMYK	0.99, 0.00, 0.36, 0.78
HSL	159°, 99%, 11%
HSV	159°, 99%, 22%
XYZ	1.7556, 2.9891, 2.1760
YIQ	36.9760, -26.9560, -18.0920

Conversions

Conversions Part 2

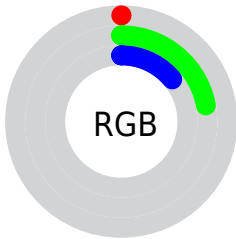
Format	Color
RYB	0, 34, 56
Decimal	14372
CIELab	20.00, -23.00, 7.79
CIELCh	20, 24.288, 161.281
Yxy	2.9891, 0.2537, 0.4319
Android (android.graphics.Color)	4278204452 (0xFF003824)
YUV	36.9760, -0.4812, -32.4280
Hunter-Lab	17.2889, -12.1300, 4.6400

Details

The CIELCh color **20, 24.288, 161.281** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **8, 28.672, 6.574**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 24.399, 161.544**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **20, 24.395, 161.223**, and if you desaturate by 10%, it is **20, 22.369, 162.449**.

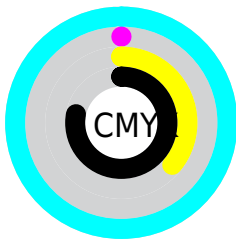
Distribution



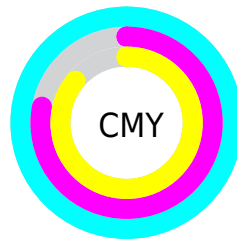
- Red (0%)
- Green (22%)
- Blue (14%)



- Red (0%)
- Yellow (13%)
- Blue (22%)



- Cyan (99%)
- Magenta (0%)
- Yellow (36%)
- Black (78%)





- Cyan (100%)
- Magenta (78%)
- Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 24.288, 161.281 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, 24.288, 161.281 by changing the saturation by 10% instead.

 20, 24.288,
161.281


 20, 24.288,
161.281


 100, 24.288,
161.281


 10, 24.288,
161.281


 40, 24.288,
161.281

 0, 24.288, 161.281

 50, 24.288,
161.281

 60, 24.288,
161.281

 70, 24.288,
161.281

 80, 24.288,
161.281

 90, 24.288,

161.281

■ 20, 24.288,
161.281

■ 20, 24.288,
161.281

■ 20, 24.395,
161.223

■ 20, 22.369,
162.449

■ 20, 20.500,
163.868

■ 21, 18.470,
165.259

■ 21, 16.218,
166.520

■ 21, 13.773,
167.665

■ 22, 11.167,
168.712

■ 22, 8.438, 169.676

■ 23, 5.619, 170.572

■ 23, 2.743, 171.431

Harmonies

Complementary

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



20, 24.288, 161.281



8, 28.672, 6.574

Rectangle

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



20, 24.288, 161.281



20, 24.288, 211.281



20, 24.288, 341.281



20, 24.288, 31.281

Sweetspot

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



20, 24.288, 161.281



29, 10.771, 169.484



20, 36.488, 131.029



14, 7.408, 169.352



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



20, 24.288, 161.281



27, 29.746, 160.045



18, 15.059, 217.173



10, 1.603, 171.529



34, 34.928, 159.277



78, 68.020, 157.298

Inverse Universe

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



8, 28.672, 6.574



13, 34.587, 9.820



9, 27.193, 31.335



9, 1.631, 352.670



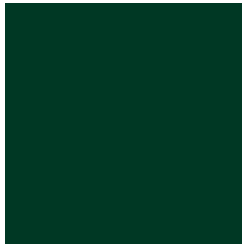
17, 40.202, 11.626



47, 76.649, 16.436

Previews

White Background



This preview shows how the CIE LCh color 20, 24.288, 161.281 looks on a white background.

Color Contrast Check

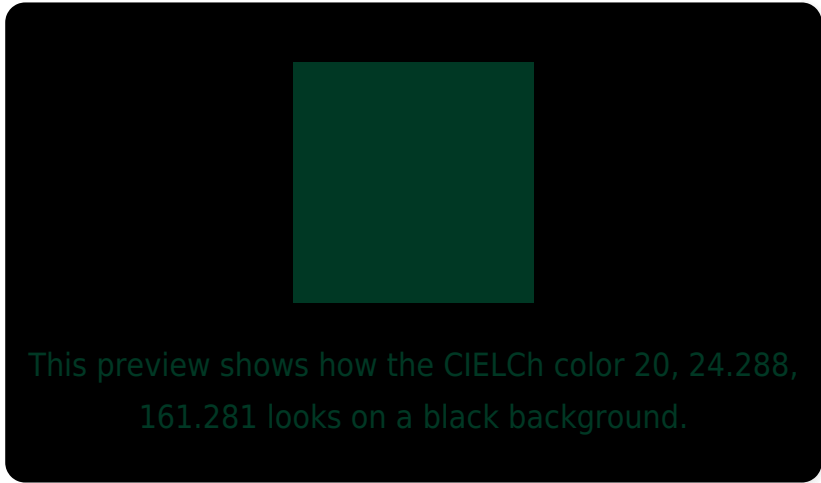
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

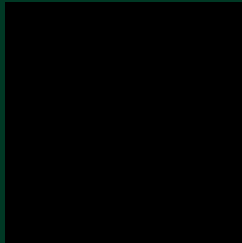
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 24.288, 161.281

Background



This preview shows how black text looks on a background with the CIELCh color 20, 24.288, 161.281.



This preview shows how white text looks on a background with the CIELCh color 20, 24.288, 161.281.

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](#).

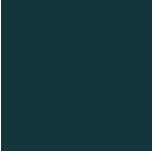
Dichromacy



Original Color
20, 24.288, 161.281

Protanopia
20, 10.957, 96.678

Deuteranopia
20, 8.001, 69.096



Tritanopia
20, 12.509, 209.935

Trichromacy



Original Color
20, 24.288, 161.281

Protanomaly
20, 14.934, 142.427

Deuteranomaly
19, 11.137, 144.852

Tritanomaly
20, 15.750, 183.949

Monochromacy



Original Color
20, 24.288, 161.281

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 10.332, 168.840

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 24.288, 161.281 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(0, 56, 36)` looks like.

```
.text, #text, p{  
    color:rgb(0, 56, 36)  
}
```

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(0, 56, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 56, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 24.288, 161.281 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(0, 56, 36) }
```

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

```
.border{ border-color:rgb(0, 56, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 56, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 56, 36); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 56, 36); box-shadow:4px  
4px 4px 4px rgb(0, 56, 36) }
```

Background

The CSS property to change the background color of an element to CIELCh 20, 24.288, 161.281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 56, 36) }
```

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

```
.background{ background-color: rgb(0, 56,  
36) }
```

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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