

Converting Colors

CIELCh(28, 19.983, 163.719)

Have a look what the booklet for
CIELCh(28, 19.983, 163.719)
contains.

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Color

CIELCh(28, 20.264, 163.554)

Conversions

Conversions Part 1

Format	Color
Hex	204A39
RGB	32, 74, 57
RGB Percent	13%, 29%, 22%
CMY	0.8756, 0.7109, 0.7775
CMYK	0.57, 0.00, 0.23, 0.71
HSL	156°, 40%, 21%
HSV	156°, 57%, 29%
XYZ	3.7503, 5.4574, 4.6934
YIQ	59.5040, -19.5750, -14.1910

Conversions

Conversions Part 2

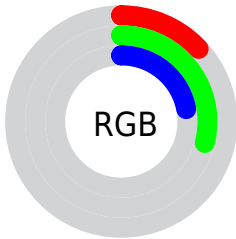
Format	Color
R_{YB}	32, 58, 74
Decimal	2116153
CIE _{Lab}	28.00, -19.43, 5.74
CIE _{LCh}	28, 20.264, 163.554
Yxy	5.4574, 0.2698, 0.3926
Android (android.graphics.Color)	4280306233 (0xFF204A39)
YUV	59.5040, -1.2345, -24.1210
Hunter-Lab	23.3610, -12.2263, 4.4409

Details

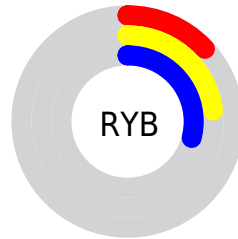
The CIELCh color **28, 20.264, 163.554** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **19, 22.267, 355.435**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 20.212, 163.637**, and **9, 17.481, 155.090** is the 20% darker color. If you saturate the color by 10%, you get **28, 23.245, 162.204**, and if you desaturate by 10%, it is **28, 17.035, 164.768**.

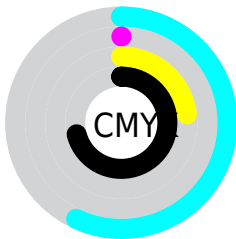
Distribution



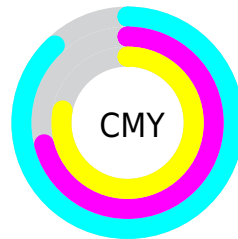
- Red (13%)
- Green (29%)
- Blue (22%)



- Red (13%)
- Yellow (23%)
- Blue (29%)



- Cyan (57%)
- Magenta (0%)
- Yellow (23%)
- Black (71%)





- Cyan (88%)
- Magenta (71%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 20.264, 163.554 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 28, 20.264, 163.554 by changing the saturation by 10% instead.

 28, 20.264,
163.554


 28, 20.264,
163.554

 100, 20.264,
163.554

 18, 20.264,
163.554


 48, 20.264,
163.554


 8, 20.264, 163.554

 58, 20.264,
163.554

 0, 20.264, 163.554

 68, 20.264,
163.554

 78, 20.264,
163.554

 88, 20.264,
163.554

 98, 20.264,

163.554

■ 28, 20.264,
163.554

■ 28, 20.264,
163.554

■ 28, 23.245,
162.204

■ 28, 17.035,
164.768

■ 27, 25.935,
160.704

■ 29, 13.606,
165.866

■ 27, 28.309,
159.038

■ 29, 10.028,
166.868

■ 27, 30.565,
157.457

■ 30, 6.349, 167.791

■ 27, 31.257,
157.031

■ 31, 2.614, 168.678

■ 32, 1.140, 349.185

■ 32, 4.882, 350.056

■ 33, 8.588, 350.757

■ 34, 12.239,
351.408

Harmonies

Complementary

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



28, 20.264, 163.554



19, 22.267, 355.435

Rectangle

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



28, 20.264, 163.554



28, 20.264, 213.554



28, 20.264, 343.554



28, 20.264, 33.554

Sweetspot

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



28, 20.264, 163.553



40, 7.973, 167.728



28, 28.482, 129.563



19, 5.259, 167.657



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



28, 20.264, 163.553



36, 29.290, 161.663



27, 13.971, 206.810



14, 2.034, 168.535



37, 39.121, 155.977



80, 73.877, 154.169

Inverse Universe

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



19, 22.267, 355.435



23, 32.538, 358.021



19, 20.723, 30.784



13, 2.066, 349.766



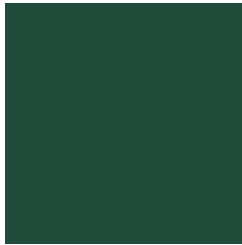
19, 42.333, 7.939



48, 77.708, 12.012

Previews

White Background



This preview shows how the CIELCh color 28, 20.264, 163.554 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 28, 20.264, 163.554 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 28, 20.264, 163.554

Background



This preview shows how black text looks on a background with the CIELCh color 28, 20.264, 163.554.



This preview shows how white text looks on a background with the CIELCh color 28, 20.264, 163.554.

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

28, 20.264, 163.554

Protanopia

28, 8.580, 95.630

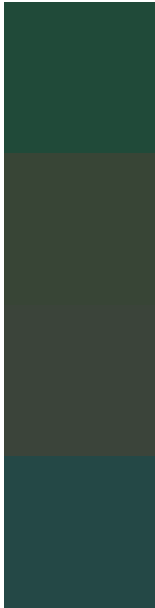
Deuteranopia

28, 6.112, 51.768



Tritanopia
28, 12.578, 215.845

Trichromacy



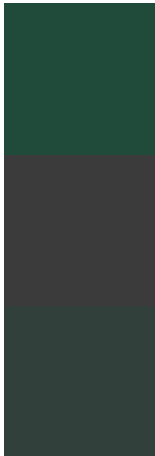
Original Color
28, 20.264, 163.554

Protanomaly
28, 11.387, 139.747

Deuteranomaly
28, 7.673, 141.038

Tritanomaly
28, 13.816, 191.852

Monochromacy



Original Color
28, 20.264, 163.554

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 7.743, 167.519

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 20.264, 163.554 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(32, 74, 57)` looks like.

```
.text, #text, p{  
    color:rgb(32, 74, 57)  
}
```

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(32, 74, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 74, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 20.264, 163.554 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(32, 74, 57) }
```

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

```
.border{ border-color:rgb(32, 74, 57) }
```

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

Here you see how a box with a 4 pixel rgb(32, 74, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 74, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 74, 57);  
box-shadow:4px 4px 4px 4px rgb(32, 74, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 20.264, 163.554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 74, 57) }
```

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

```
.background{ background-color: rgb(32, 74,  
57) }
```

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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