

Converting Colors

CIELCh(27, 19.932, 140.964)

Have a look what the booklet for
CIELCh(27, 19.932, 140.964)
contains.

CIELCh(27, 20.275, 141.184)	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(27, 20.275, 141.184)

Conversions

Conversions Part 1

Format	Color
Hex	2D462C
RGB	45, 70, 44
RGB Percent	18%, 27%, 17%
CMY	0.8242, 0.7262, 0.8281
CMYK	0.36, 0.00, 0.37, 0.73
HSL	118°, 23%, 22%
HSV	118°, 37%, 27%
XYZ	3.7060, 5.0937, 3.1550
YIQ	59.5610, -6.5540, -13.3860

Conversions

Conversions Part 2

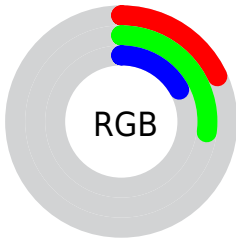
Format	Color
R_{YB}	44, 70, 69
Decimal	2967084
CIE _{Lab}	27.00, -15.80, 12.71
CIE _{LCh}	27, 20.275, 141.184
Yxy	5.0937, 0.3100, 0.4261
Android (android.graphics.Color)	4281157164 (0xFF2D462C)
YUV	59.5610, -7.6716, -12.7700
Hunter-Lab	22.5692, -10.1855, 7.5102

Details

The CIELCh color $[27, 20.275, 141.184]$ is a dark color, and the websafe version is hex `003300`. A complement of this color would be $[22, 20.312, 325.117]$, and the grayscale version is $[25, 0.004, 296.813]$.

A 20% lighter version of the original color is $[47, 20.466, 141.193]$, and $[7, 17.780, 144.443]$ is the 20% darker color. If you saturate the color by 10%, you get $[26, 25.547, 140.384]$, and if you desaturate by 10%, it is $[28, 14.858, 141.901]$.

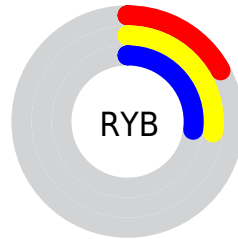
Distribution



Red (18%)

Green (27%)

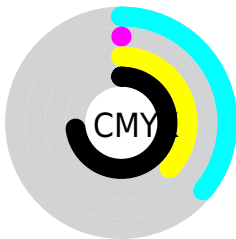
Blue (17%)



Red (17%)

Yellow (27%)

Blue (27%)

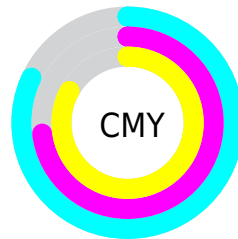


Cyan (36%)

Magenta (0%)

Yellow (37%)

Black (73%)



Cyan (82%)


Magenta (73%)


Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 20.275, 141.184 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 27, 20.275, 141.184 by changing the saturation by 10% instead.

 27, 20.275,
141.184


 27, 20.275,
141.184

 100, 20.275,
141.184


 17, 20.275,
141.184

 47, 20.275,
141.184


 7, 20.275, 141.184

 57, 20.275,
141.184

 0, 20.275, 141.184

 67, 20.275,
141.184

 77, 20.275,
141.184

 87, 20.275,
141.184

 97, 20.275,

141.184

■ 27, 20.275,
141.184

■ 27, 20.275,
141.184

■ 26, 25.547,
140.384

■ 28, 14.858,
141.901

■ 26, 30.564,
139.512

■ 28, 9.381, 142.535

■ 26, 35.191,
138.600

■ 29, 3.911, 143.100

■ 30, 1.501, 323.465

■ 25, 39.271,
137.706

■ 31, 6.820, 323.935

■ 25, 42.636,
136.904

■ 32, 12.020,
324.295

■ 25, 45.734,
136.034

■ 33, 17.087,
324.602

■ 25, 46.607,
135.823

■ 34, 22.011,
324.865

■ 35, 26.789,
325.093

Harmonies

Complementary

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



27, 20.275, 141.184



22, 20.312, 325.117

Rectangle

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



27, 20.275, 141.184



27, 20.275, 191.184



27, 20.275, 321.184



27, 20.275, 11.184

Sweetspot

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



27, 20.276, 141.184



38, 7.500, 142.866



29, 15.683, 104.759



18, 4.967, 142.838



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



27, 20.276, 141.184



35, 30.561, 140.412



27, 14.698, 158.022



14, 3.078, 143.023



36, 59.774, 135.689



79, 109.493, 135.893

Inverse Universe

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



22, 20.312, 325.117



28, 30.580, 325.524



22, 15.156, 343.998



13, 3.085, 323.793



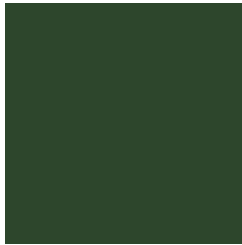
21, 58.033, 326.814



52, 106.024, 326.709

Previews

White Background



This preview shows how the CIELCh color 27, 20.275, 141.184 looks on a white background.

Color Contrast Check

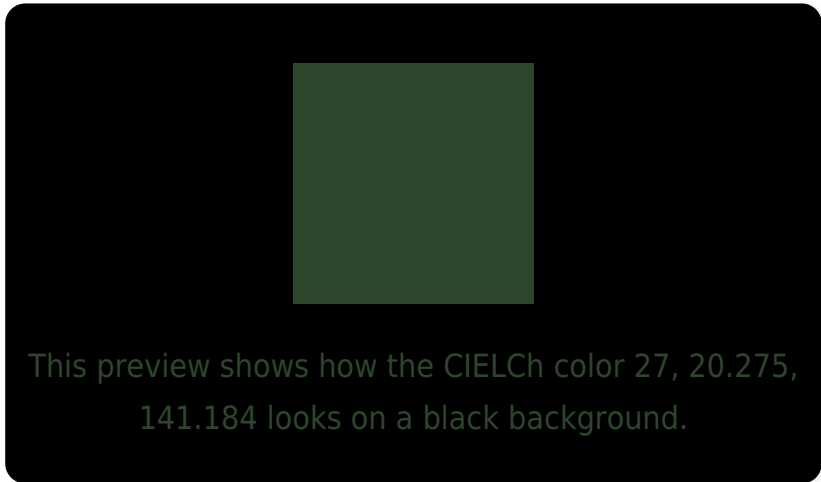
Large Text (above 18pt) WCAG AA ✓ Pass

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

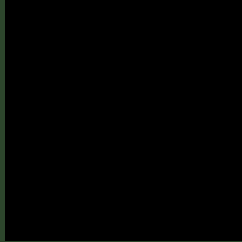
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 20.275, 141.184

Background



This preview shows how black text looks on a background with the CIELCh color 27, 20.275, 141.184.



This preview shows how white text looks on a background with the CIELCh color 27, 20.275, 141.184.

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

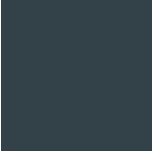
27, 20.275, 141.184

Protanopia

27, 14.991, 97.516

Deuteranopia

27, 12.395, 70.995



Tritanopia
27, 7.438, 230.441

Trichromacy



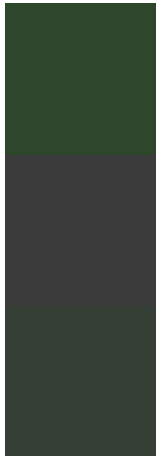
Original Color
27, 20.275, 141.184

Protanomaly
27, 15.634, 117.899

Deuteranomaly
27, 12.254, 105.375

Tritanomaly
27, 8.812, 176.179

Monochromacy



Original Color
27, 20.275, 141.184

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 7.773, 140.988

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 20.275, 141.184 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(45, 70, 44)` looks like.

```
.text, #text, p{  
    color:rgb(45, 70, 44)  
}
```

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(45, 70, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 70, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 20.275, 141.184 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(45, 70, 44) }
```

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

```
.border{ border-color:rgb(45, 70, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 70, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 70, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 70, 44);  
box-shadow:4px 4px 4px 4px rgb(45, 70, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 20.275, 141.184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 70, 44) }
```

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

```
.background{ background-color: rgb(45, 70,  
44) }
```

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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