

Converting Colors

CIELCh(27, 12.600, 166.248)

Have a look what the booklet for
CIELCh(27, 12.600, 166.248)
contains.

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Color

CIELCh(27, 12.592, 166.249)

Conversions

Conversions Part 1

Format	Color
Hex	2C453B
RGB	44, 69, 59
RGB Percent	17%, 27%, 23%
CMY	0.8278, 0.7298, 0.7690
CMYK	0.36, 0.00, 0.15, 0.73
HSL	156°, 22%, 22%
HSV	156°, 36%, 27%
XYZ	3.9448, 5.0937, 4.9012
YIQ	60.3850, -11.6900, -8.4100

Conversions

Conversions Part 2

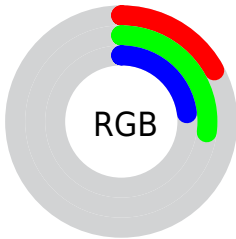
Format	Color
R_{YB}	44, 60, 69
Decimal	2901307
CIE _{Lab}	27.00, -12.23, 2.99
CIE _{LCh}	27, 12.592, 166.249
Yxy	5.0937, 0.2830, 0.3654
Android (android.graphics.Color)	4281091387 (0xFF2C453B)
YUV	60.3850, -0.6828, -14.3696
Hunter-Lab	22.5692, -8.2967, 2.9229

Details

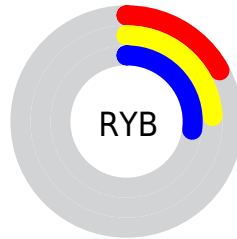
The CIELCh color **27, 12.592, 166.249** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **21, 13.418, 352.794**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 12.298, 166.071**, and **7, 11.402, 166.021** is the 20% darker color. If you saturate the color by 10%, you get **27, 15.838, 165.173**, and if you desaturate by 10%, it is **28, 9.212, 167.229**.

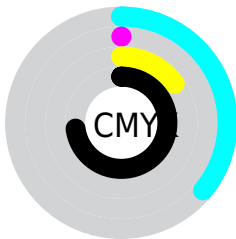
Distribution



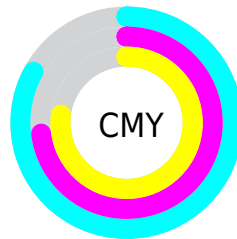
- Red (17%)
- Green (27%)
- Blue (23%)



- Red (17%)
- Yellow (24%)
- Blue (27%)



- Cyan (36%)
- Magenta (0%)
- Yellow (15%)
- Black (73%)





- Cyan (83%)
- Magenta (73%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 12.592, 166.249 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, 12.592, 166.249 by changing the saturation by 10% instead.

 27, 12.592,
166.249


 27, 12.592,
166.249

 100, 12.592,
166.249


 17, 12.592,
166.249


 47, 12.592,
166.249


 7, 12.592, 166.249

 57, 12.592,
166.249

 0, 12.592, 166.249

 67, 12.592,
166.249

 77, 12.592,
166.249

 87, 12.592,
166.249

 97, 12.592,

166.249

■ 27, 12.592,
166.249

■ 27, 12.592,
166.249

■ 27, 15.838,
165.173

■ 28, 9.212, 167.229

■ 28, 5.740, 168.138

■ 26, 18.902,
163.988

■ 29, 2.218, 169.021

■ 26, 21.738,
162.674

■ 30, 1.321, 349.539

■ 25, 24.308,
161.215

■ 30, 4.847, 350.371

■ 31, 8.339, 351.064

■ 25, 26.585,
159.597

■ 32, 11.781,
351.709

■ 25, 28.764,
158.079

■ 33, 15.160,

■ 25, 29.588,
157.581

352.318

■ 34, 18.467,
352.896

Harmonies

Complementary

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



27, 12.592, 166.249



21, 13.418, 352.794

Rectangle

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



27, 12.592, 166.249



27, 12.592, 216.249



27, 12.592, 346.249



27, 12.592, 36.249

Sweetspot

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



27, 12.593, 166.247



37, 4.816, 168.560



27, 17.496, 131.009



18, 3.263, 168.513



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, 12.593, 166.247



35, 18.683, 165.230



26, 9.096, 208.435



14, 2.028, 168.806



37, 38.927, 156.253



80, 73.496, 154.446

Inverse Universe

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



21, 13.418, 352.794



26, 20.228, 353.981



22, 11.456, 30.005



13, 2.060, 350.039



19, 42.342, 8.344



48, 77.775, 12.447

Previews

White Background



This preview shows how the CIELCh color 27, 12.592, 166.249 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 27, 12.592, 166.249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

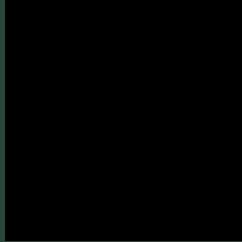
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 12.592, 166.249

Background



This preview shows how black text looks on a background with the CIELCh color 27, 12.592, 166.249.



This preview shows how white text looks on a background with the CIELCh color 27, 12.592, 166.249.

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

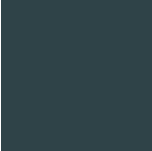
27, 12.592, 166.249

Protanopia

27, 4.913, 86.770

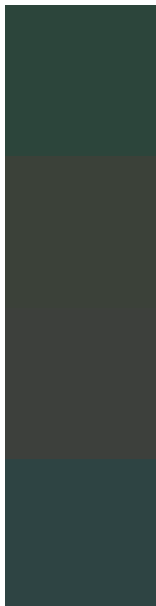
Deuteranopia

27, 4.687, 28.096



Tritanopia
27, 8.500, 220.942

Trichromacy



Original Color
27, 12.592, 166.249

Protanomaly
27, 5.897, 136.827

Deuteranomaly
27, 2.946, 137.088

Tritanomaly
27, 9.063, 193.812

Monochromacy



Original Color
27, 12.592, 166.249

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 4.476, 172.583

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 12.592, 166.249 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(44, 69, 59)` looks like.

```
.text, #text, p{  
    color:rgb(44, 69, 59)  
}
```

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(44, 69, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 69, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 12.592, 166.249 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(44, 69, 59) }
```

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

```
.border{ border-color:rgb(44, 69, 59) }
```

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

Here you see how a box with a 4 pixel rgb(44, 69, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 69, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 69, 59);  
box-shadow:4px 4px 4px 4px rgb(44, 69, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 12.592, 166.249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 69, 59) }
```

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

```
.background{ background-color: rgb(44, 69,  
59) }
```

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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