

Converting Colors

CIELCh(27, 13.433, 258.670)

Have a look what the booklet for
CIELCh(27, 13.433, 258.670)
contains.

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Color

CIELCh(27, 13.503, 259.621)

Conversions

Conversions Part 1

Format	Color
Hex	2E4254
RGB	46, 66, 84
RGB Percent	18%, 26%, 33%
CMY	0.8202, 0.7418, 0.6712
CMYK	0.45, 0.21, 0.00, 0.67
HSL	208°, 29%, 25%
HSV	208°, 45%, 33%
XYZ	4.6532, 5.0937, 9.0929
YIQ	62.0720, -17.6980, 1.3580

Conversions

Conversions Part 2

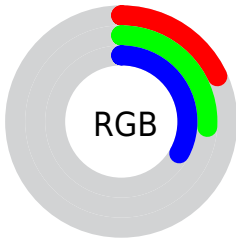
Format	Color
R_{YB}	46, 59, 84
Decimal	3031636
CIE _{Lab}	27.00, -2.43, -13.28
CIE _{LCh}	27, 13.503, 259.621
Yxy	5.0937, 0.2470, 0.2704
Android (android.graphics.Color)	4281221716 (0xFF2E4254)
YUV	62.0720, 10.8105, -14.0951
Hunter-Lab	22.5692, -2.6935, -8.0889

Details

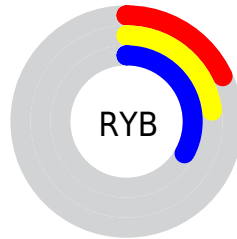
The CIELCh color **27, 13.503, 259.621** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **29, 15.517, 67.542**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 13.603, 259.895**, and **7, 13.342, 258.076** is the 20% darker color. If you saturate the color by 10%, you get **25, 16.299, 262.025**, and if you desaturate by 10%, it is **29, 10.630, 257.577**.

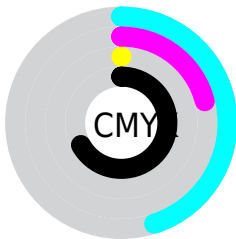
Distribution



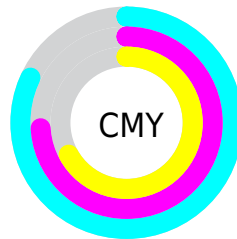
- Red (18%)
- Green (26%)
- Blue (33%)



- Red (18%)
- Yellow (23%)
- Blue (33%)



- Cyan (45%)
- Magenta (21%)
- Yellow (0%)
- Black (67%)



- Cyan (82%)
- Magenta (74%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 13.503, 259.621 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, 13.503, 259.621 by changing the saturation by 10% instead.

■ 27, 13.503,
259.621

■ 27, 13.503,
259.621

■ 100, 13.503,
259.621

■ 17, 13.503,
259.621

■ 47, 13.503,
259.621

■ 7, 13.503, 259.621

■ 57, 13.503,
259.621

■ 0, 13.503, 259.621

■ 67, 13.503,
259.621

■ 77, 13.503,
259.621

■ 87, 13.503,
259.621

■ 97, 13.503,

259.621

■ 27, 13.503,
259.621

■ 27, 13.503,
259.621

■ 25, 16.299,
262.025

■ 29, 10.630,
257.577

■ 23, 19.020,
264.836

■ 31, 7.687, 255.848

■ 22, 21.678,
268.082

■ 33, 4.686, 254.390

■ 35, 1.638, 253.216

■ 20, 24.300,
271.757

■ 37, 1.444, 71.871

■ 18, 26.963,
275.531

■ 39, 4.548, 71.044

■ 40, 7.665, 70.261

■ 18, 28.263,
277.092

■ 42, 10.786, 69.571

Harmonies

Complementary

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



27, 13.503, 259.621



29, 15.517, 67.542

Rectangle

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



27, 13.503, 259.621



27, 13.503, 309.621



27, 13.503, 79.621



27, 13.503, 129.621

Sweetspot

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



27, 13.502, 259.620



43, 5.349, 254.281



32, 20.369, 157.845



21, 3.719, 254.465



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



27, 13.502, 259.620



34, 19.844, 262.174



21, 24.801, 294.564



15, 1.680, 253.569



23, 33.826, 278.617



52, 64.651, 282.083

Inverse Universe

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



24, 21.114, 346.269



30, 31.033, 347.567



34, 22.410, 104.710



15, 2.509, 342.843



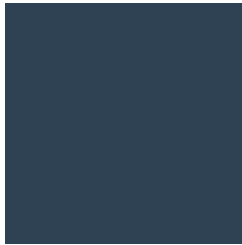
21, 44.537, 357.267



50, 79.206, 0.155

Previews

White Background



This preview shows how the CIE LCh color 27, 13.503, 259.621 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 CIE LCh color 27, 13.503, 259.621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

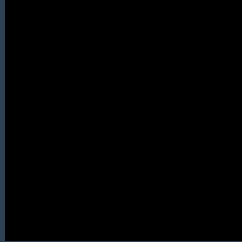
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

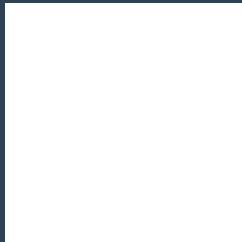
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 27, 13.503, 259.621

Background



This preview shows how black text looks on a background with the CIELCh color 27, 13.503, 259.621.



This preview shows how white text looks on a background with the CIELCh color 27, 13.503, 259.621.

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, 13.503, 259.621

Protanopia

27, 12.435, 285.341

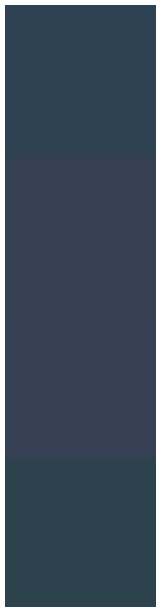
Deuteranopia

27, 14.398, 285.314



Tritanopia
27, 10.108, 216.924

Trichromacy



Original Color
27, 13.503, 259.621

Protanomaly
27, 12.814, 275.227

Deuteranomaly
27, 14.042, 277.249

Tritanomaly
27, 10.655, 236.290

Monochromacy



Original Color
27, 13.503, 259.621

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 5.369, 257.935

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 13.503, 259.621 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(46, 66, 84)` looks like.

```
.text, #text, p{  
    color:rgb(46, 66, 84)  
}
```

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(46, 66, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 66, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 13.503, 259.621 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(46, 66, 84) }
```

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

```
.border{ border-color:rgb(46, 66, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 66, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 66, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 66, 84);  
box-shadow:4px 4px 4px 4px rgb(46, 66, 84)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 13.503, 259.621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 66, 84) }
```

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

```
.background{ background-color: rgb(46, 66,  
84) }
```

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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