

Converting Colors

CIELCh(30, 10.486, 225.325)

Have a look what the booklet for
CIELCh(30, 10.486, 225.325)
contains.

CIELCh(30, 10.604, 227.332)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(30, 10.604, 227.332)

Conversions

Conversions Part 1

Format	Color
Hex	314A52
RGB	49, 74, 82
RGB Percent	19%, 29%, 32%
CMY	0.8061, 0.7081, 0.6767
CMYK	0.40, 0.10, 0.00, 0.68
HSL	195°, 25%, 26%
HSV	195°, 40%, 32%
XYZ	5.3056, 6.2359, 8.9957
YIQ	67.4370, -17.4680, -2.8120

Conversions

Conversions Part 2

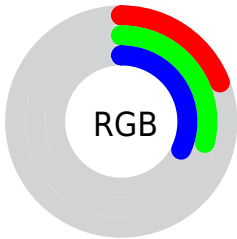
Format	Color
R_{YB}	49, 63, 82
Decimal	3230290
CIE _{Lab}	30.00, -7.19, -7.80
CIE _{LCh}	30, 10.604, 227.332
Yxy	6.2359, 0.2583, 0.3036
Android (android.graphics.Color)	4281420370 (0xFF314A52)
YUV	67.4370, 7.1796, -16.1692
Hunter-Lab	24.9718, -5.7758, -3.8781

Details

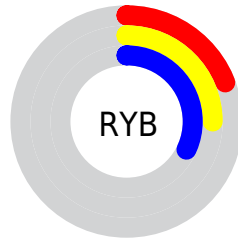
The CIELCh color **30, 10.604, 227.332** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **27, 13.606, 43.539**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 10.500, 225.165**, and **10, 10.458, 227.414** is the 20% darker color. If you saturate the color by 10%, you get **29, 12.758, 228.588**, and if you desaturate by 10%, it is **31, 8.219, 226.347**.

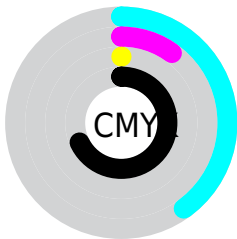
Distribution



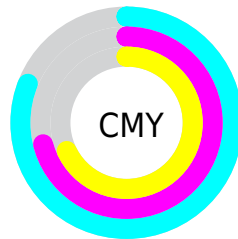
- Red (19%)
- Green (29%)
- Blue (32%)



- Red (19%)
- Yellow (25%)
- Blue (32%)



- Cyan (40%)
- Magenta (10%)
- Yellow (0%)
- Black (68%)





- Cyan (81%)
- Magenta (71%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 10.604, 227.332 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 30, 10.604, 227.332 by changing the saturation by 10% instead.


 30, 10.604,
227.332


 30, 10.604,
227.332

 100, 10.604,
227.332


 20, 10.604,
227.332


 50, 10.604,
227.332


 10, 10.604,
227.332

 60, 10.604,
227.332

 0, 10.604, 227.332

 70, 10.604,
227.332

 80, 10.604,
227.332

 90, 10.604,
227.332

■ 30, 10.604,
227.332

■ 30, 10.604,
227.332

■ 29, 12.758,
228.588

■ 31, 8.219, 226.347

■ 32, 5.637, 225.596

■ 28, 14.650,
230.183

■ 34, 2.891, 225.055

■ 27, 16.258,
232.183

■ 35, 0.014, 244.275

■ 26, 17.572,
234.656

■ 36, 2.969, 44.087

■ 38, 6.032, 43.894

■ 25, 18.613,
237.644

■ 39, 9.154, 43.740

■ 24, 19.630,
240.549

■ 41, 12.320, 43.635

■ 42, 15.515, 43.571

Harmonies

Complementary

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



30, 10.604, 227.332



27, 13.606, 43.539

Rectangle

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



30, 10.604, 227.332



30, 10.604, 277.332



30, 10.604, 47.332



30, 10.604, 97.332

Sweetspot

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



30, 10.604, 227.329



43, 4.267, 225.162



32, 21.441, 148.740



21, 2.793, 225.190



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



30, 10.604, 227.329



38, 15.213, 228.534



25, 16.183, 281.808



16, 1.600, 225.003



31, 23.290, 242.060



67, 42.420, 245.430

Inverse Universe

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



25, 21.428, 334.563



31, 31.551, 335.239



32, 15.839, 91.548



15, 2.955, 332.534



22, 50.267, 340.045



52, 89.125, 341.096

Previews

White Background



This preview shows how the CIELCh color 30, 10.604, 227.332 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 30, 10.604, 227.332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

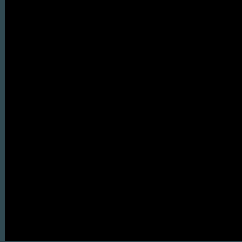
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 10.604, 227.332

Background



This preview shows how black text looks on a background with the CIELCh color 30, 10.604, 227.332.



This preview shows how white text looks on a background with the CIELCh color 30, 10.604, 227.332.

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

30, 10.604, 227.332

Protanopia

30, 6.415, 287.653

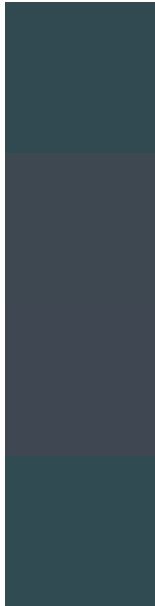
Deuteranopia

30, 9.674, 296.801



Tritanopia
30, 10.518, 219.649

Trichromacy



Original Color
30, 10.604, 227.332

Protanomaly
30, 6.934, 255.554

Deuteranomaly
30, 8.239, 268.688

Tritanomaly
30, 10.684, 223.086

Monochromacy



Original Color
30, 10.604, 227.332

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 4.211, 226.314

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 10.604, 227.332 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(49, 74, 82)` looks like.

```
.text, #text, p{  
    color:rgb(49, 74, 82)  
}
```

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(49, 74, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 74, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 10.604, 227.332 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(49, 74, 82) }
```

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

```
.border{ border-color:rgb(49, 74, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 74, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 74, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 74, 82);  
box-shadow:4px 4px 4px 4px rgb(49, 74, 82)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 10.604, 227.332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 74, 82) }
```

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

```
.background{ background-color: rgb(49, 74,  
82) }
```

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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