

Converting Colors

CIELCh(24, 12.078, 276.082)

Have a look what the booklet for
CIELCh(24, 12.078, 276.082)
contains.

CIELCh(24, 12.316, 276.221)	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(24, 12.316, 276.221)

Conversions

Conversions Part 1

Format	Color
Hex	30394B
RGB	48, 57, 75
RGB Percent	19%, 22%, 29%
CMY	0.8107, 0.7754, 0.7048
CMYK	0.36, 0.24, 0.00, 0.70
HSL	220°, 22%, 24%
HSV	220°, 36%, 30%
XYZ	3.9883, 4.1002, 7.2892
YIQ	56.3610, -11.1420, 3.6900

Conversions

Conversions Part 2

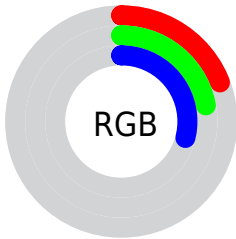
Format	Color
R_{YB}	48, 55, 75
Decimal	3160395
CIE Lab	24.00, 1.33, -12.24
CIE LCh	24, 12.316, 276.221
Yxy	4.1002, 0.2594, 0.2666
Android (android.graphics.Color)	4281350475 (0xFF30394B)
YUV	56.3610, 9.1890, -7.3326
Hunter-Lab	20.2490, -0.2775, -7.1690

Details

The CIELCh color **24, 12.316, 276.221** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **29, 12.400, 86.980**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 12.352, 276.134**, and **4, 12.111, 276.012** is the 20% darker color. If you saturate the color by 10%, you get **22, 15.867, 278.149**, and if you desaturate by 10%, it is **26, 8.819, 274.547**.

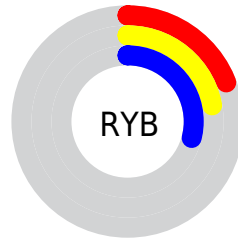
Distribution



Red (19%)

Green (22%)

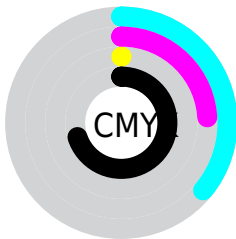
Blue (29%)



Red (19%)

Yellow (22%)

Blue (29%)

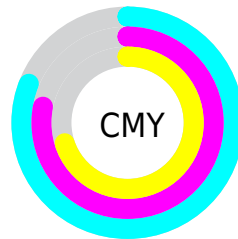


Cyan (36%)

Magenta (24%)

Yellow (0%)

Black (70%)



Cyan (81%)


Magenta (78%)


Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 12.316, 276.221 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 24, 12.316, 276.221 by changing the saturation by 10% instead.


 24, 12.316,
276.221


 24, 12.316,
276.221

 100, 12.316,
276.221


 14, 12.316,
276.221


 44, 12.316,
276.221


 4, 12.316, 276.221

 54, 12.316,
276.221

 0, 12.316, 276.221

 64, 12.316,
276.221

 74, 12.316,
276.221

 84, 12.316,
276.221

 94, 12.316,

276.221

■ 24, 12.316,
276.221

■ 24, 12.316,
276.221

■ 22, 15.867,
278.149

■ 26, 8.819, 274.547

■ 28, 5.374, 273.099

■ 20, 19.481,
280.362

■ 31, 1.978, 271.870

■ 17, 23.169,
282.879

■ 33, 1.370, 90.615

■ 15, 26.945,
285.697

■ 35, 4.669, 89.706

■ 37, 7.919, 88.859

■ 13, 30.817,
288.776

■ 40, 11.119, 88.104

■ 11, 34.803,
291.708

■ 42, 14.270, 87.429

■ 11, 36.484,
292.754

■ 44, 17.369, 86.823

Harmonies

Complementary

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



24, 12.316, 276.221



29, 12.400, 86.980

Rectangle

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



24, 12.316, 276.221



24, 12.316, 326.221



24, 12.316, 96.221



24, 12.316, 146.221

Sweetspot

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



24, 12.315, 276.220



38, 4.576, 272.519



30, 12.741, 170.472



18, 3.034, 272.589



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



24, 12.315, 276.220



29, 18.310, 277.879



22, 18.350, 299.618



14, 1.906, 272.188



16, 47.054, 294.468



39, 91.689, 297.123

Inverse Universe

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



23, 13.859, 357.280



29, 20.592, 358.468



31, 17.025, 114.367



14, 2.103, 354.363



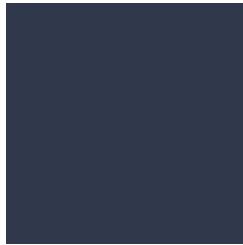
20, 43.579, 14.642



49, 80.115, 18.931

Previews

White Background



This preview shows how the CIE LCh color 24, 12.316, 276.221 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 24, 12.316, 276.221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

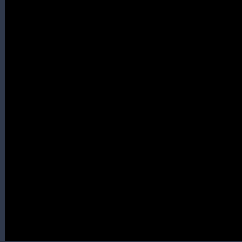
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

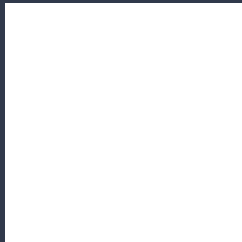
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 24, 12.316, 276.221

Background



This preview shows how black text looks on a background with the CIELCh color 24, 12.316, 276.221.

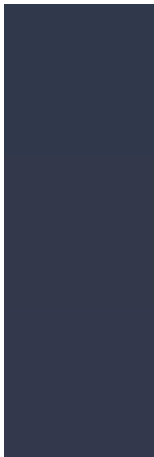


This preview shows how white text looks on a background with the CIELCh color 24, 12.316, 276.221.

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

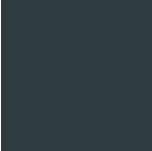
24, 12.316, 276.221

Protanopia

24, 12.666, 285.671

Deuteranopia

24, 13.320, 286.206



Tritanopia
24, 6.253, 230.833

Trichromacy



Original Color
24, 12.316, 276.221

Protanomaly
24, 12.710, 283.946

Deuteranomaly
24, 13.360, 284.577

Tritanomaly
24, 7.868, 256.907

Monochromacy



Original Color
24, 12.316, 276.221

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 4.792, 275.528

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 12.316, 276.221 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(48, 57, 75)` looks like.

```
.text, #text, p{  
    color:rgb(48, 57, 75)  
}
```

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(48, 57, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 57, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 12.316, 276.221 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(48, 57, 75) }
```

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

```
.border{ border-color:rgb(48, 57, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 57, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 57, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 57, 75);  
box-shadow:4px 4px 4px 4px rgb(48, 57, 75)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 12.316, 276.221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 57, 75) }
```

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

```
.background{ background-color: rgb(48, 57,  
75) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor