

Converting Colors

CIELCh(30, 24.574, 303.083)

Have a look what the booklet for
CIELCh(30, 24.574, 303.083)
contains.

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Color

CIELCh(30, 24.714, 303.020)

Conversions

Conversions Part 1

Format	Color
Hex	4B4167
RGB	75, 65, 103
RGB Percent	29%, 25%, 40%
CMY	0.7063, 0.7455, 0.5965
CMYK	0.27, 0.37, 0.00, 0.60
HSL	256°, 23%, 33%
HSV	256°, 37%, 40%
XYZ	7.2187, 6.2359, 13.6237
YIQ	72.3220, -6.2380, 13.9380

Conversions

Conversions Part 2

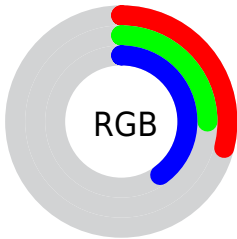
Format	Color
R_{YB}	75, 65, 103
Decimal	4931943
CIE _{Lab}	30.00, 13.47, -20.72
CIE _{LCh}	30, 24.714, 303.020
Yxy	6.2359, 0.2666, 0.2303
Android (android.graphics.Color)	4283122023 (0xFF4B4167)
YUV	72.3220, 15.1243, 2.3486
Hunter-Lab	24.9718, 7.8989, -14.8661

Details

The CIELCh color **30, 24.714, 303.020** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **42, 22.941, 118.277**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 24.500, 303.275**, and **10, 25.134, 303.126** is the 20% darker color. If you saturate the color by 10%, you get **26, 31.893, 303.924**, and if you desaturate by 10%, it is **34, 17.724, 302.196**.

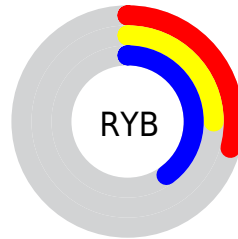
Distribution



Red (29%)

Green (25%)

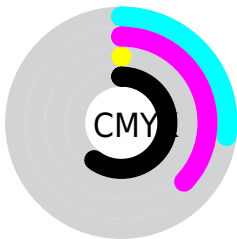
Blue (40%)



Red (29%)

Yellow (25%)

Blue (40%)

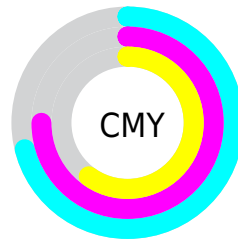


Cyan (27%)

Magenta (37%)

Yellow (0%)

Black (60%)



Cyan (71%)


Magenta (75%)


Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 24.714, 303.020 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, 24.714, 303.020 by changing the saturation by 10% instead.


 30, 24.714,
303.020


 30, 24.714,
303.020

 100, 24.714,
303.020


 20, 24.714,
303.020


 50, 24.714,
303.020


 10, 24.714,
303.020

 60, 24.714,
303.020

 0, 24.714, 303.020

 70, 24.714,
303.020

 80, 24.714,
303.020

 90, 24.714,
303.020

■ 30, 24.714,
303.020

■ 30, 24.714,
303.020

■ 26, 31.893,
303.924

■ 34, 17.724,
302.196

■ 23, 39.189,
304.887

■ 37, 10.953,
301.459

■ 19, 46.450,
305.864

■ 41, 4.409, 300.806

■ 16, 53.386,
306.772

■ 45, 1.914, 120.251

■ 48, 8.024, 119.743

■ 14, 59.519,
307.481

■ 52, 13.932,
119.308

■ 11, 64.832,
308.067

■ 56, 19.649,
118.930

■ 11, 66.640,
308.356

■ 59, 25.187,
118.603

■ 63, 30.557,
118.320

Harmonies

Complementary

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



30, 24.714, 303.020



42, 22.941, 118.277

Rectangle

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



30, 24.714, 303.020



30, 24.714, 353.020



30, 24.714, 123.020



30, 24.714, 173.020

Sweetspot

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



30, 24.713, 303.020



50, 8.685, 301.082



38, 11.811, 228.156



25, 5.797, 301.140



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



30, 24.713, 303.020



36, 36.743, 303.764



32, 26.465, 318.787



19, 3.559, 300.929



13, 72.107, 308.243



33, 125.905, 307.741

Inverse Universe

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



33, 23.431, 335.263



40, 34.137, 335.880



40, 25.931, 135.521



20, 3.519, 333.348



25, 52.862, 341.509



54, 90.710, 342.560

Previews

White Background



This preview shows how the CIELCh color 30, 24.714, 303.020 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 30, 24.714, 303.020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

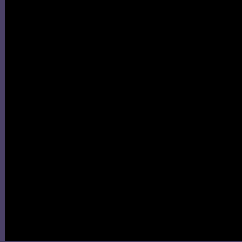
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 24.714, 303.020

Background



This preview shows how black text looks on a background with the CIELCh color 30, 24.714, 303.020.

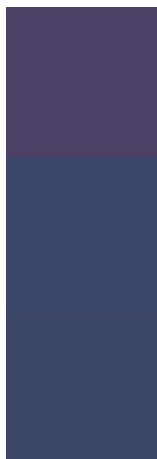


This preview shows how white text looks on a background with the CIELCh color 30, 24.714, 303.020.

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, 24.714, 303.020

Protanopia

30, 23.817, 284.616

Deuteranopia

30, 20.679, 283.139



Tritanopia
30, 3.847, 290.903

Trichromacy



Original Color
30, 24.714, 303.020

Protanomaly
30, 24.323, 291.242

Deuteranomaly
30, 21.785, 291.272

Tritanomaly
30, 11.704, 300.256

Monochromacy



Original Color
30, 24.714, 303.020

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 9.156, 302.237

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 24.714, 303.020 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(75, 65, 103)` looks like.

```
.text, #text, p{  
    color:rgb(75, 65, 103)  
}
```

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(75, 65, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 65, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 24.714, 303.020 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(75, 65, 103) }
```

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

```
.border{ border-color:rgb(75, 65, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 65, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 65, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 65, 103);  
box-shadow:4px 4px 4px 4px rgb(75, 65,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 24.714, 303.020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 65, 103) }
```

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

```
.background{ background-color: rgb(75, 65,  
103) }
```

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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