

Converting Colors

CIELCh(24, 47.004, 308.364)

Have a look what the booklet for
CIELCh(24, 47.004, 308.364)
contains.

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Color

CIELCh(24, 46.986, 308.273)

Conversions

Conversions Part 1

Format	Color
Hex	442A71
RGB	68, 42, 113
RGB Percent	27%, 16%, 44%
CMY	0.7326, 0.8346, 0.5561
CMYK	0.40, 0.63, 0.00, 0.56
HSL	262°, 46%, 30%
HSV	262°, 63%, 44%
XYZ	6.2225, 4.1002, 16.1427
YIQ	57.8680, -7.2950, 27.5930

Conversions

Conversions Part 2

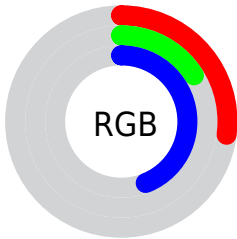
Format	Color
R_{YB}	68, 42, 113
Decimal	4467313
CIE _{Lab}	24.00, 29.10, -36.89
CIE _{LCh}	24, 46.986, 308.273
Yxy	4.1002, 0.2351, 0.1549
Android (android.graphics.Color)	4282657393 (0xFF442A71)
YUV	57.8680, 27.1801, 8.8858
Hunter-Lab	20.2490, 19.4174, -33.0924

Details

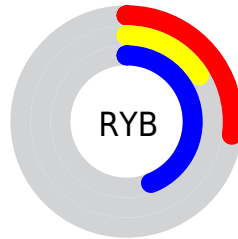
The CIELCh color $[24, 46.986, 308.273]$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $[44, 41.554, 121.380]$, and the grayscale version is $[24, 0.004, 296.813]$.

A 20% lighter version of the original color is $[44, 46.547, 308.072]$, and $[5, 44.904, 307.318]$ is the 20% darker color. If you saturate the color by 10%, you get $[21, 54.375, 308.911]$, and if you desaturate by 10%, it is $[28, 39.265, 307.561]$.

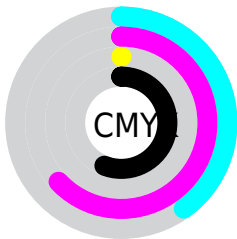
Distribution



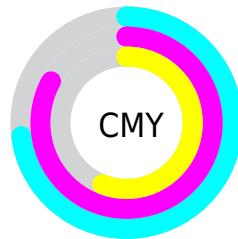
- Red (27%)
- Green (16%)
- Blue (44%)



- Red (27%)
- Yellow (16%)
- Blue (44%)



- Cyan (40%)
- Magenta (63%)
- Yellow (0%)
- Black (56%)





- Cyan (73%)
- Magenta (83%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 46.986, 308.273 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, 46.986, 308.273 by changing the saturation by 10% instead.

 24, 46.986,
308.273

 24, 46.986,
308.273

 100, 46.986,
308.273

 14, 46.986,
308.273

 44, 46.986,
308.273

 4, 46.986, 308.273

 54, 46.986,
308.273

 0, 46.986, 308.273

 64, 46.986,
308.273

 74, 46.986,
308.273

 84, 46.986,
308.273

 94, 46.986,

308.273

■ 24, 46.986,
308.273

■ 24, 46.986,
308.273

■ 21, 54.375,
308.911

■ 28, 39.265,
307.561

■ 18, 61.004,
309.374

■ 31, 31.485,
306.839

■ 15, 66.329,
309.542

■ 35, 23.799,
306.147

■ 14, 70.092,
309.751

■ 39, 16.286,
305.505

■ 43, 8.985, 304.921

■ 47, 1.909, 304.380

■ 51, 4.941, 123.953

■ 54, 11.571,
123.542

■ 58, 17.990,
123.185

Harmonies

Complementary

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



24, 46.986, 308.273



44, 41.554, 121.380

Rectangle

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



24, 46.986, 308.273



24, 46.986, 358.273



24, 46.986, 128.273



24, 46.986, 178.273

Sweetspot

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



24, 46.986, 308.273



52, 16.854, 305.309



35, 20.390, 248.107



25, 11.565, 305.443



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



24, 46.986, 308.273



27, 69.514, 309.136



29, 48.096, 322.754



21, 3.913, 304.716



15, 73.067, 309.686



36, 125.640, 309.111

Inverse Universe

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



29, 38.500, 342.588



35, 53.917, 344.530



42, 47.599, 136.400



22, 3.542, 337.680



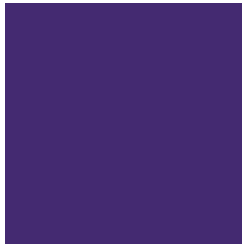
25, 51.184, 348.970



54, 86.495, 350.617

Previews

White Background



This preview shows how the CIE LCh color 24, 46.986, 308.273 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, 46.986, 308.273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

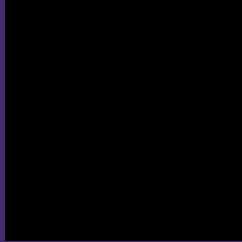
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 46.986, 308.273

Background



This preview shows how black text looks on a background with the CIELCh color 24, 46.986, 308.273.



This preview shows how white text looks on a background with the CIELCh color 24, 46.986, 308.273.

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, 46.986, 308.273

Protanopia

24, 41.972, 285.360

Deuteranopia

24, 30.551, 272.968



Tritanopia
24, 3.316, 290.893

Trichromacy



Original Color
24, 46.986, 308.273

Protanomaly
23, 43.822, 291.558

Deuteranomaly
23, 36.097, 286.470

Tritanomaly
24, 19.671, 304.393

Monochromacy



Original Color
24, 46.986, 308.273

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 17.824, 306.691

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 46.986, 308.273 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(68, 42, 113)` looks like.

```
.text, #text, p{  
    color:rgb(68, 42, 113)  
}
```

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(68, 42, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 42, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 46.986, 308.273 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(68, 42, 113) }
```

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

```
.border{ border-color:rgb(68, 42, 113) }
```

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

Here you see how a box with a 4 pixel rgb(68, 42, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 42, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 42, 113);  
box-shadow:4px 4px 4px 4px rgb(68, 42,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 46.986, 308.273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 42, 113) }
```

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

```
.background{ background-color: rgb(68, 42,  
113) }
```

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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