

Converting Colors

CIELCh(24, 49.537, 289.814)

Have a look what the booklet for
CIELCh(24, 49.537, 289.814)
contains.

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Color

CIELCh(24, 49.456, 290.058)

Conversions

Conversions Part 1

Format	Color
Hex	003580
RGB	0, 53, 128
RGB Percent	0%, 21%, 50%
CMY	1.0000, 0.7923, 0.4982
CMYK	1.00, 0.59, 0.00, 0.50
HSL	215°, 100%, 25%
HSV	215°, 100%, 50%
XYZ	5.1642, 4.1002, 20.9283
YIQ	45.7030, -55.6630, 12.0890

Conversions

Conversions Part 2

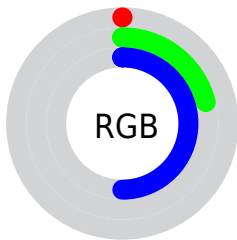
Format	Color
RYB	0, 37, 128
Decimal	13696
CIELab	24.00, 16.96, -46.46
CIELCh	24, 49.456, 290.058
Yxy	4.1002, 0.1710, 0.1358
Android (android.graphics.Color)	4278203776 (0xFF003580)
YUV	45.7030, 40.5724, -40.0815
Hunter-Lab	20.2490, 10.0879, -47.1048

Details

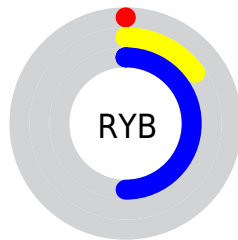
The CIELCh color **24, 49.456, 290.058** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **37, 49.673, 69.267**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 49.628, 290.041**, and **7, 48.575, 301.764** is the 20% darker color. If you saturate the color by 10%, you get **24, 49.455, 290.067**, and if you desaturate by 10%, it is **27, 44.151, 286.359**.

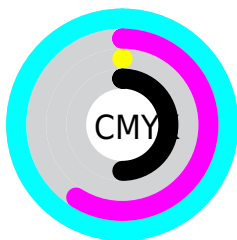
Distribution



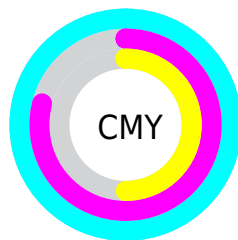
- Red (0%)
- Green (21%)
- Blue (50%)



- Red (0%)
- Yellow (15%)
- Blue (50%)



- Cyan (100%)
- Magenta (59%)
- Yellow (0%)
- Black (50%)



- Cyan (100%)
- Magenta (79%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 49.456, 290.058 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, 49.456, 290.058 by changing the saturation by 10% instead.

■ 24, 49.456,
290.058

■ 24, 49.456,
290.058

■ 100, 49.456,
290.058

■ 14, 49.456,
290.058

■ 44, 49.456,
290.058

■ 4, 49.456, 290.058

■ 54, 49.456,
290.058

■ 0, 49.456, 290.058

■ 64, 49.456,
290.058

■ 74, 49.456,
290.058

■ 84, 49.456,
290.058

■ 94, 49.456,

290.058

■ 24, 49.456,
290.058

■ 24, 49.456,
290.058

■ 24, 49.455,
290.067

■ 27, 44.151,
286.359

■ 29, 39.004,
282.547

■ 32, 33.978,
279.019

■ 35, 29.039,
275.861

■ 38, 24.152,
273.098

■ 41, 19.292,
270.715

■ 44, 14.448,
268.675

■ 47, 9.616, 266.934

■ 50, 4.800, 265.459

Harmonies

Complementary

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



24, 49.456, 290.058



37, 49.673, 69.267

Rectangle

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



24, 49.456, 290.058



24, 49.456, 340.058



24, 49.456, 110.058



24, 49.456, 160.058

Sweetspot

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



24, 49.455, 290.067



56, 17.854, 268.805



47, 48.067, 154.524



28, 12.282, 269.500



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



24, 49.455, 290.067



32, 61.198, 291.067



13, 79.762, 306.669



25, 2.697, 265.339



24, 49.307, 290.051



0, 0.000, 0.000

Inverse Universe

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



26, 50.667, 8.585



35, 61.266, 9.858



51, 58.399, 107.809



25, 3.399, 349.291



26, 50.534, 8.565



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 24, 49.456, 290.058 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 24, 49.456, 290.058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

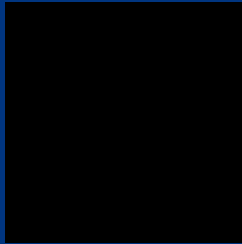
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 49.456, 290.058

Background



This preview shows how black text looks on a background with the CIELCh color 24, 49.456, 290.058.



This preview shows how white text looks on a background with the CIELCh color 24, 49.456, 290.058.

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, 49.456, 290.058

Protanopia

24, 41.297, 284.583

Deuteranopia

24, 29.432, 271.348



Tritanopia
24, 18.078, 205.125

Trichromacy



Original Color
24, 49.456, 290.058

Protanomaly
24, 44.409, 286.872

Deuteranomaly
24, 36.424, 280.379

Tritanomaly
24, 23.282, 258.011

Monochromacy



Original Color
24, 49.456, 290.058

Achromatopsia
19, 0.004, 296.813

Achromatomaly
20, 19.145, 274.195

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 49.456, 290.058 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(0, 53, 128)` looks like.

```
.text, #text, p{  
    color:rgb(0, 53, 128)  
}
```

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(0, 53, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 53, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 49.456, 290.058 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(0, 53, 128) }
```

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

```
.border{ border-color:rgb(0, 53, 128) }
```

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

Here you see how a box with a 4 pixel rgb(0, 53, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 53, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 53, 128);  
box-shadow:4px 4px 4px 4px rgb(0, 53, 128)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 49.456, 290.058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 53, 128) }
```

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

```
.background{ background-color: rgb(0, 53,  
128) }
```

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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