

Converting Colors

CIELCh(24, 53.048, 307.101)

Have a look what the booklet for
CIELCh(24, 53.048, 307.101)
contains.

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Color

CIELCh(24, 52.963, 307.063)

Conversions

Conversions Part 1

Format	Color
Hex	42297A
RGB	66, 41, 122
RGB Percent	26%, 16%, 48%
CMY	0.7428, 0.8406, 0.5232
CMYK	0.46, 0.67, 0.00, 0.52
HSL	258°, 50%, 32%
HSV	258°, 67%, 48%
XYZ	6.4871, 4.1002, 18.7292
YIQ	57.7090, -11.1010, 30.4910

Conversions

Conversions Part 2

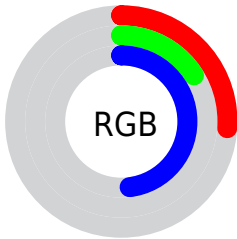
Format	Color
R_{YB}	66, 41, 122
Decimal	4335994
CIE _{Lab}	24.00, 31.92, -42.26
CIE _{LCh}	24, 52.963, 307.063
Yxy	4.1002, 0.2213, 0.1399
Android (android.graphics.Color)	4282526074 (0xFF42297A)
YUV	57.7090, 31.6955, 7.2712
Hunter-Lab	20.2490, 21.7499, -40.6657

Details

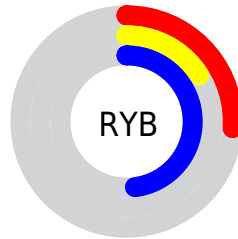
The CIELCh color **24, 52.963, 307.063** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **48, 45.672, 118.858**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 52.786, 307.185**, and **5, 50.576, 306.182** is the 20% darker color. If you saturate the color by 10%, you get **21, 60.712, 307.820**, and if you desaturate by 10%, it is **28, 44.747, 306.210**.

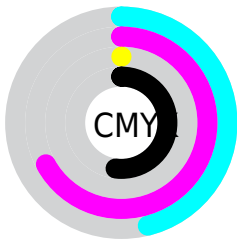
Distribution



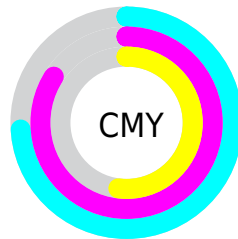
- Red (26%)
- Green (16%)
- Blue (48%)



- Red (26%)
- Yellow (16%)
- Blue (48%)



- Cyan (46%)
- Magenta (67%)
- Yellow (0%)
- Black (52%)





- Cyan (74%)
- Magenta (84%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 52.963, 307.063 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, 52.963, 307.063 by changing the saturation by 10% instead.

 24, 52.963,
307.063

 24, 52.963,
307.063

 100, 52.963,
307.063

 14, 52.963,
307.063

 44, 52.963,
307.063


 4, 52.963, 307.063

 54, 52.963,
307.063

 0, 52.963, 307.063

 64, 52.963,
307.063

 74, 52.963,
307.063

 84, 52.963,
307.063

 94, 52.963,

307.063

■ 24, 52.963,
307.063

■ 24, 52.963,
307.063

■ 21, 60.712,
307.820

■ 28, 44.747,
306.210

■ 18, 67.425,
308.348

■ 32, 36.426,
305.345

■ 15, 72.742,
308.608

■ 36, 28.198,
304.520

■ 14, 74.640,
308.775

■ 40, 20.164,
303.759

■ 44, 12.369,
303.074

■ 48, 4.827, 302.460

■ 52, 2.463, 121.946

■ 57, 9.509, 121.467

■ 61, 16.322,
121.057

Harmonies

Complementary

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



24, 52.963, 307.063



48, 45.672, 118.858

Rectangle

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



24, 52.963, 307.063



24, 52.963, 357.063



24, 52.963, 127.063



24, 52.963, 177.063

Sweetspot

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



24, 52.963, 307.064



55, 18.626, 303.333



39, 21.766, 241.556



27, 12.685, 303.487



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



24, 52.963, 307.064



26, 78.052, 308.143



29, 53.295, 321.277



23, 4.174, 302.608



15, 76.141, 308.748



35, 128.985, 308.259

Inverse Universe

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



31, 44.216, 339.996



37, 60.801, 341.872



45, 52.291, 135.017



24, 3.972, 335.176



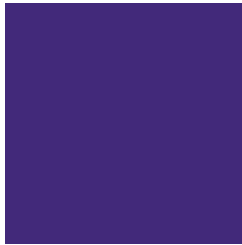
27, 54.487, 344.744



56, 90.804, 345.937

Previews

White Background



This preview shows how the CIE LCh color 24, 52.963, 307.063 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, 52.963, 307.063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

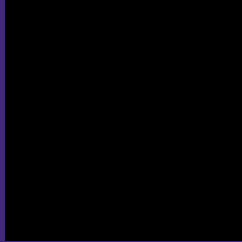
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 52.963, 307.063

Background



This preview shows how black text looks on a background with the CIELCh color 24, 52.963, 307.063.



This preview shows how white text looks on a background with the CIELCh color 24, 52.963, 307.063.

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

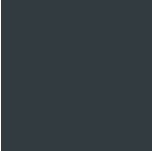
24, 52.963, 307.063

Protanopia

24, 41.363, 284.953

Deuteranopia

24, 29.990, 272.173



Tritanopia
24, 4.606, 234.129

Trichromacy



Original Color
24, 52.963, 307.063

Protanomaly
23, 45.709, 292.119

Deuteranomaly
23, 38.060, 287.796

Tritanomaly
23, 21.408, 298.575

Monochromacy



Original Color
24, 52.963, 307.063

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 19.724, 304.421

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 52.963, 307.063 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(66, 41, 122)` looks like.

```
.text, #text, p{  
    color:rgb(66, 41, 122)  
}
```

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(66, 41, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 41, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 52.963, 307.063 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(66, 41, 122) }
```

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

```
.border{ border-color:rgb(66, 41, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 41, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(66, 41, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(66, 41, 122); box-shadow:4px 4px 4px 4px rgb(66, 41, 122) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 52.963, 307.063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 41, 122) }
```

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

```
.background{ background-color: rgb(66, 41,  
122) }
```

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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