

Converting Colors

CIELCh(24, 45.356, 306.308)

Have a look what the booklet for
CIELCh(24, 45.356, 306.308)
contains.

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Color

CIELCh(24, 45.620, 306.455)

Conversions

Conversions Part 1

Format	Color
Hex	412C71
RGB	65, 44, 113
RGB Percent	25%, 17%, 44%
CMY	0.7456, 0.8279, 0.5574
CMYK	0.43, 0.61, 0.00, 0.56
HSL	258°, 44%, 31%
HSV	258°, 61%, 44%
XYZ	6.0394, 4.1002, 16.0541
YIQ	58.1450, -9.6330, 25.9110

Conversions

Conversions Part 2

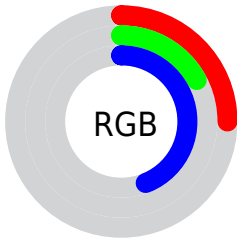
Format	Color
RYB	65, 44, 113
Decimal	4271217
CIELab	24.00, 27.11, -36.69
CIELCh	24, 45.620, 306.455
Yxy	4.1002, 0.2306, 0.1565
Android (android.graphics.Color)	4282461297 (0xFF412C71)
YUV	58.1450, 27.0435, 6.0118
Hunter-Lab	20.2490, 17.8031, -32.8330

Details

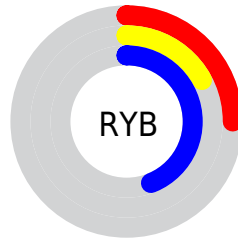
The CIELCh color $[24, 45.620, 306.455]$ is a dark color, and the websafe version is hex $\#333366$. A complement of this color would be $[45, 39.963, 118.848]$, and the grayscale version is $[24, 0.004, 296.813]$.

A 20% lighter version of the original color is $[44, 45.082, 306.220]$, and $[4, 44.816, 306.295]$ is the 20% darker color. If you saturate the color by 10%, you get $[21, 53.232, 307.289]$, and if you desaturate by 10%, it is $[28, 37.797, 305.584]$.

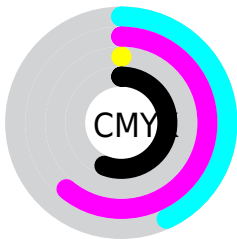
Distribution



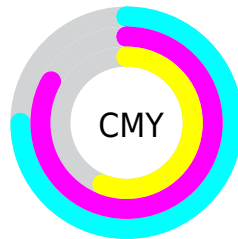
- Red (25%)
- Green (17%)
- Blue (44%)



- Red (25%)
- Yellow (17%)
- Blue (44%)



- Cyan (43%)
- Magenta (61%)
- Yellow (0%)
- Black (56%)





- Cyan (75%)
- Magenta (83%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 45.620, 306.455 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, 45.620, 306.455 by changing the saturation by 10% instead.

 24, 45.620,
306.455


 24, 45.620,
306.455

 100, 45.620,
306.455

 14, 45.620,
306.455


 44, 45.620,
306.455


 4, 45.620, 306.455

 54, 45.620,
306.455

 0, 45.620, 306.455

 64, 45.620,
306.455

 74, 45.620,
306.455

 84, 45.620,
306.455

 94, 45.620,

306.455

■ 24, 45.620,
306.455

■ 24, 45.620,
306.455

■ 21, 53.232,
307.289

■ 28, 37.797,
305.584

■ 17, 60.226,
307.981

■ 32, 30.003,
304.735

■ 15, 65.998,
308.388

■ 35, 22.361,
303.945

■ 13, 70.750,
308.797

■ 39, 14.930,
303.226

■ 43, 7.733, 302.582

■ 47, 0.773, 301.976

■ 51, 5.955, 121.526

■ 55, 12.459,
121.089

■ 59, 18.753,
120.710

Harmonies

Complementary

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



24, 45.620, 306.455



45, 39.963, 118.848

Rectangle

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



24, 45.620, 306.455



24, 45.620, 356.455



24, 45.620, 126.455



24, 45.620, 176.455

Sweetspot

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



24, 45.620, 306.456



52, 15.810, 303.049



37, 19.297, 239.969



25, 10.957, 303.203



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, 45.620, 306.456



27, 68.088, 307.578



28, 46.679, 321.157



21, 3.878, 302.454



14, 73.910, 308.735



34, 127.076, 308.218

Inverse Universe

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



30, 39.082, 339.180



36, 55.069, 340.676



43, 45.770, 135.365



22, 3.702, 335.002



26, 53.054, 344.372



55, 89.653, 345.609

Previews

White Background



This preview shows how the CIE LCh color 24, 45.620, 306.455 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, 45.620, 306.455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

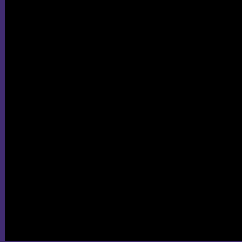
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 45.620, 306.455

Background



This preview shows how black text looks on a background with the CIELCh color 24, 45.620, 306.455.



This preview shows how white text looks on a background with the CIELCh color 24, 45.620, 306.455.

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, 45.620, 306.455

Protanopia

24, 41.972, 285.360

Deuteranopia

24, 30.551, 272.968



Tritanopia
24, 3.911, 257.329

Trichromacy



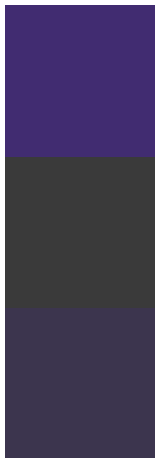
Original Color
24, 45.620, 306.455

Protanomaly
23, 43.135, 290.713

Deuteranomaly
23, 35.445, 285.329

Tritanomaly
24, 18.735, 298.740

Monochromacy



Original Color
24, 45.620, 306.455

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 16.916, 303.083

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 45.620, 306.455 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(65, 44, 113)` looks like.

```
.text, #text, p{  
    color:rgb(65, 44, 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(65, 44, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 44, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 45.620, 306.455 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(65, 44, 113) }
```

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

```
.border{ border-color:rgb(65, 44, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 44, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 44, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 44, 113);  
box-shadow:4px 4px 4px 4px rgb(65, 44,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 45.620, 306.455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 44, 113) }
```

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

```
.background{ background-color: rgb(65, 44,  
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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