

Converting Colors

CIELCh(24, 21.683, 325.283)

Have a look what the booklet for
CIELCh(24, 21.683, 325.283)
contains.

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Color

CIELCh(24, 21.587, 325.196)

Conversions

Conversions Part 1

Format	Color
Hex	4B304C
RGB	75, 48, 76
RGB Percent	29%, 19%, 30%
CMY	0.7068, 0.8126, 0.7029
CMYK	0.01, 0.37, 0.00, 0.70
HSL	298°, 23%, 24%
HSV	298°, 37%, 30%
XYZ	5.2269, 4.1002, 7.3102
YIQ	59.2650, 7.1040, 14.4320

Conversions

Conversions Part 2

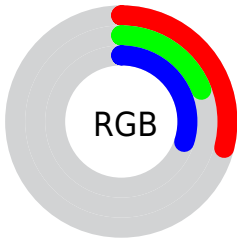
Format	Color
RYB	75, 48, 76
Decimal	4927564
CIELab	24.00, 17.73, -12.32
CIElCh	24, 21.587, 325.196
Yxy	4.1002, 0.3142, 0.2464
Android (android.graphics.Color)	4283117644 (0xFF4B304C)
YUV	59.2650, 8.2504, 13.7996
Hunter-Lab	20.2490, 10.6406, -7.2304

Details

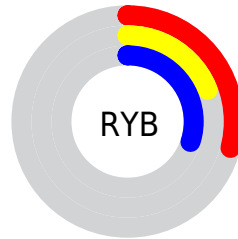
The CIELCh color $[24, 21.587, 325.196]$ is a dark color, and the websafe version is hex $\#663366$. A complement of this color would be $[29, 21.551, 141.225]$, and the grayscale version is $[25, 0.004, 296.813]$.

A 20% lighter version of the original color is $[44, 21.270, 324.749]$, and $[4, 21.609, 324.643]$ is the 20% darker color. If you saturate the color by 10%, you get $[22, 27.198, 325.623]$, and if you desaturate by 10%, it is $[26, 15.782, 324.741]$.

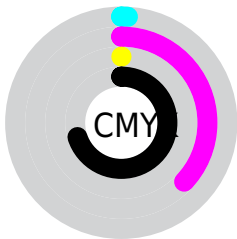
Distribution



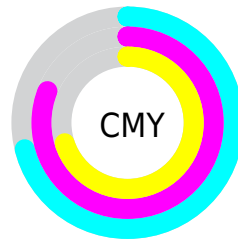
- Red (29%)
- Green (19%)
- Blue (30%)



- Red (29%)
- Yellow (19%)
- Blue (30%)



- Cyan (1%)
- Magenta (37%)
- Yellow (0%)
- Black (70%)





- Cyan (71%)
- Magenta (81%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 21.587, 325.196 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, 21.587, 325.196 by changing the saturation by 10% instead.

 24, 21.587,
325.196


 24, 21.587,
325.196

 100, 21.587,
325.196


 14, 21.587,
325.196


 44, 21.587,
325.196


 4, 21.587, 325.196

 54, 21.587,
325.196

 0, 21.587, 325.196

 64, 21.587,
325.196

 74, 21.587,
325.196

 84, 21.587,
325.196

 94, 21.587,

325.196

■ 24, 21.587,
325.196

■ 24, 21.587,
325.196

■ 22, 27.198,
325.623

■ 26, 15.782,
324.741

■ 20, 32.467,
326.008

■ 28, 9.904, 324.269

■ 19, 37.216,
326.336

■ 31, 4.036, 323.779

■ 33, 1.760, 143.414

■ 17, 41.255,
326.592

■ 35, 7.445, 142.903

■ 16, 44.414,
326.764

■ 38, 12.997,
142.455

■ 15, 47.211,
326.904

■ 40, 18.401,
142.030

■ 15, 48.111,
326.952

■ 43, 23.653,
141.627

■ 45, 28.752,
141.247

Harmonies

Complementary

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



24, 21.587, 325.196



29, 21.551, 141.225

Rectangle

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



24, 21.587, 325.196



24, 21.587, 15.196



24, 21.587, 145.196



24, 21.587, 195.196

Sweetspot

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



24, 21.586, 325.196



39, 8.035, 324.003



21, 17.935, 292.449



19, 5.445, 324.035



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



24, 21.586, 325.196



30, 31.980, 325.572



24, 16.098, 344.018



14, 3.276, 323.867



22, 59.067, 326.898



53, 106.906, 326.803

Inverse Universe

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



23, 13.749, 19.613



29, 21.030, 20.843



30, 15.609, 158.001



14, 1.911, 16.884



19, 49.739, 34.545



48, 95.125, 38.893

Previews

White Background



This preview shows how the CIE LCh color 24, 21.587, 325.196 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, 21.587, 325.196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

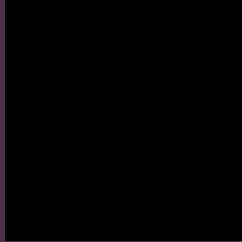
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 21.587, 325.196

Background



This preview shows how black text looks on a background with the CIELCh color 24, 21.587, 325.196.



This preview shows how white text looks on a background with the CIELCh color 24, 21.587, 325.196.

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, 21.587, 325.196

Protanopia

24, 17.340, 283.966

Deuteranopia

24, 11.953, 288.839



Tritanopia
24, 9.772, 5.870

Trichromacy



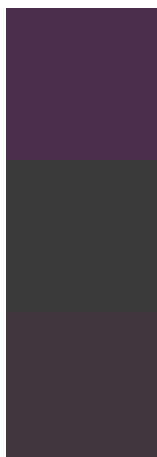
Original Color
24, 21.587, 325.196

Protanomaly
24, 17.376, 298.884

Deuteranomaly
24, 15.146, 307.272

Tritanomaly
24, 13.437, 342.693

Monochromacy



Original Color
24, 21.587, 325.196

Achromatopsia
25, 0.004, 296.813

Achromatomaly
24, 7.997, 325.166

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 21.587, 325.196 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, 48, 76)` looks like.

```
.text, #text, p{  
    color:rgb(75, 48, 76)  
}
```

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, 48, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 48, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 21.587, 325.196 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, 48, 76) }
```

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

```
.border{ border-color:rgb(75, 48, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 48, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 48, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 48, 76);  
box-shadow:4px 4px 4px 4px rgb(75, 48, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 21.587, 325.196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 48, 76) }
```

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

```
.background{ background-color: rgb(75, 48,  
76) }
```

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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