

Converting Colors

CIELCh(24, 47.985, 320.964)

Have a look what the booklet for
CIELCh(24, 47.985, 320.964)
contains.

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Color

CIELCh(24, 47.967, 320.942)

Conversions

Conversions Part 1

Format	Color
Hex	582067
RGB	88, 32, 103
RGB Percent	35%, 13%, 40%
CMY	0.6545, 0.8741, 0.5957
CMYK	0.15, 0.69, 0.00, 0.60
HSL	287°, 53%, 27%
HSV	287°, 69%, 40%
XYZ	7.0078, 4.1002, 13.2823
YIQ	56.8380, 10.5850, 33.9530

Conversions

Conversions Part 2

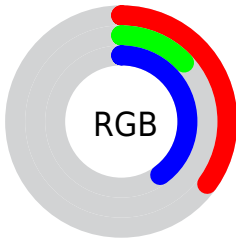
Format	Color
R_{YB}	88, 32, 103
Decimal	5775463
CIE _{Lab}	24.00, 37.25, -30.22
CIE _{LCh}	24, 47.967, 320.942
Yxy	4.1002, 0.2873, 0.1681
Android (android.graphics.Color)	4283965543 (0xFF582067)
YUV	56.8380, 22.7579, 27.3291
Hunter-Lab	20.2490, 26.3395, -24.7168

Details

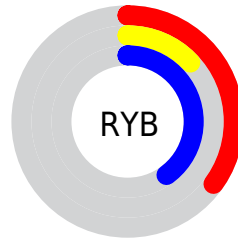
The CIELCh color $[24, 47.967, 320.942]$ is a dark color, and the websafe version is hex $\#660066$. A complement of this color would be $[39, 46.957, 134.705]$, and the grayscale version is $[24, 0.004, 296.813]$.

A 20% lighter version of the original color is $[44, 48.080, 320.727]$, and $[7, 39.452, 319.331]$ is the 20% darker color. If you saturate the color by 10%, you get $[22, 53.100, 321.014]$, and if you desaturate by 10%, it is $[26, 41.900, 320.736]$.

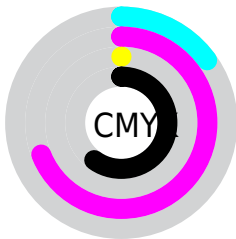
Distribution



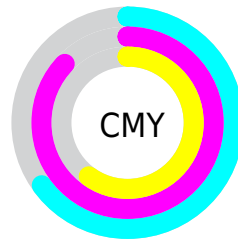
- Red (35%)
- Green (13%)
- Blue (40%)



- Red (35%)
- Yellow (13%)
- Blue (40%)



- Cyan (15%)
- Magenta (69%)
- Yellow (0%)
- Black (60%)





- Cyan (65%)
- Magenta (87%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 47.967, 320.942 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, 47.967, 320.942 by changing the saturation by 10% instead.

 24, 47.967,
320.942


 24, 47.967,
320.942

 100, 47.967,
320.942


 14, 47.967,
320.942


 44, 47.967,
320.942

 4, 47.967, 320.942

 54, 47.967,
320.942

 0, 47.967, 320.942

 64, 47.967,
320.942

 74, 47.967,
320.942

 84, 47.967,
320.942

 94, 47.967,

320.942

■ 24, 47.967,
320.942

■ 24, 47.967,
320.942

■ 22, 53.100,
321.014

■ 26, 41.900,
320.736

■ 20, 57.014,
320.910

■ 29, 35.200,
320.433

■ 19, 60.173,
320.718

■ 32, 28.121,
320.067

■ 19, 60.554,
320.703

■ 35, 20.862,
319.664

■ 38, 13.563,
319.245

■ 41, 6.322, 318.817

■ 44, 0.800, 138.589

■ 47, 7.766, 138.057

■ 50, 14.557,
137.681

Harmonies

Complementary

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



24, 47.967, 320.942



39, 46.957, 134.705

Rectangle

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



24, 47.967, 320.942



24, 47.967, 10.942



24, 47.967, 140.942



24, 47.967, 190.942

Sweetspot

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



24, 47.966, 320.942



48, 18.895, 319.361



21, 37.313, 291.721



24, 12.903, 319.445



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



24, 47.966, 320.942



29, 67.737, 320.968



25, 40.399, 338.847



19, 3.971, 318.819



22, 65.347, 320.616



49, 113.534, 320.187

Inverse Universe

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



24, 33.935, 13.238



29, 49.618, 19.103



38, 40.872, 146.826



19, 2.539, 3.102



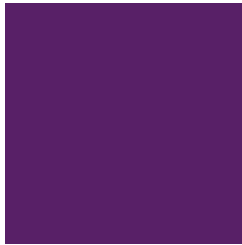
23, 50.144, 25.989



51, 89.520, 29.617

Previews

White Background



This preview shows how the CIE LCh color 24, 47.967, 320.942 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, 47.967, 320.942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

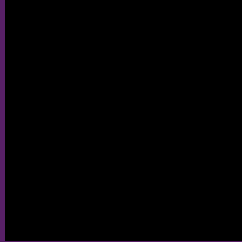
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 47.967, 320.942

Background



This preview shows how black text looks on a background with the CIELCh color 24, 47.967, 320.942.



This preview shows how white text looks on a background with the CIELCh color 24, 47.967, 320.942.

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, 47.967, 320.942

Protanopia

24, 41.904, 284.994

Deuteranopia

25, 26.564, 276.580



Tritanopia
24, 15.587, 15.600

Trichromacy



Original Color
24, 47.967, 320.942

Protanomaly
22, 43.939, 294.271

Deuteranomaly
23, 33.939, 297.519

Tritanomaly
24, 25.012, 338.479

Monochromacy



Original Color
24, 47.967, 320.942

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 19.238, 319.252

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 47.967, 320.942 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(88, 32, 103)` looks like.

```
.text, #text, p{  
    color:rgb(88, 32, 103)  
}
```

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(88, 32, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 32, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 47.967, 320.942 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(88, 32, 103) }
```

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

```
.border{ border-color:rgb(88, 32, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 32, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 32, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 32, 103);  
box-shadow:4px 4px 4px 4px rgb(88, 32,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 47.967, 320.942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 32, 103) }
```

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

```
.background{ background-color: rgb(88, 32,  
103) }
```

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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