

Converting Colors

CIELCh(24, 28.967, 336.101)

Have a look what the booklet for
CIELCh(24, 28.967, 336.101)
contains.

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Color

CIELCh(24, 28.747, 336.291)

Conversions

Conversions Part 1

Format	Color
Hex	57294B
RGB	87, 41, 75
RGB Percent	34%, 16%, 29%
CMY	0.6594, 0.8398, 0.7065
CMYK	0.00, 0.53, 0.14, 0.66
HSL	316°, 36%, 25%
HSV	316°, 53%, 34%
XYZ	5.9683, 4.1002, 7.1065
YIQ	58.6300, 16.5020, 20.3260

Conversions

Conversions Part 2

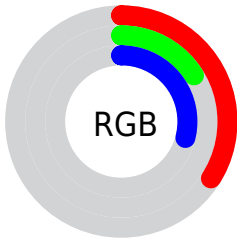
Format	Color
R_{YB}	87, 41, 75
Decimal	5712203
CIE _{Lab}	24.00, 26.32, -11.56
CIE _{LCh}	24, 28.747, 336.291
Yxy	4.1002, 0.3475, 0.2387
Android (android.graphics.Color)	4283902283 (0xFF57294B)
YUV	58.6300, 8.0704, 24.8805
Hunter-Lab	20.2490, 17.1762, -6.6338

Details

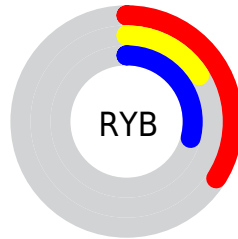
The CIELCh color $[24, 28.747, 336.291]$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $[33, 28.635, 148.298]$, and the grayscale version is $[25, 0.004, 296.813]$.

A 20% lighter version of the original color is $[44, 28.918, 336.005]$, and $[5, 25.915, 337.861]$ is the 20% darker color. If you saturate the color by 10%, you get $[22, 33.369, 337.096]$, and if you desaturate by 10%, it is $[26, 23.640, 335.540]$.

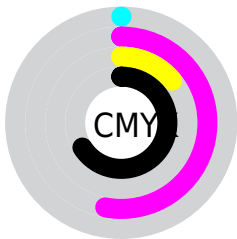
Distribution



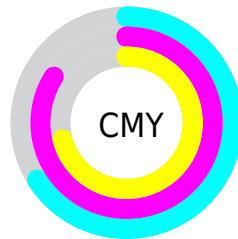
- Red (34%)
- Green (16%)
- Blue (29%)



- Red (34%)
- Yellow (16%)
- Blue (29%)



- Cyan (0%)
- Magenta (53%)
- Yellow (14%)
- Black (66%)





- Cyan (66%)
- Magenta (84%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 28.747, 336.291 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, 28.747, 336.291 by changing the saturation by 10% instead.

 24, 28.747,
336.291

 24, 28.747,
336.291

 100, 28.747,
336.291


 14, 28.747,
336.291


 44, 28.747,
336.291


 4, 28.747, 336.291

 54, 28.747,
336.291

 0, 28.747, 336.291

 64, 28.747,
336.291

 74, 28.747,
336.291

 84, 28.747,
336.291

 94, 28.747,

336.291

■ 24, 28.747,
336.291

■ 24, 28.747,
336.291

■ 22, 33.369,
337.096

■ 26, 23.640,
335.540

■ 20, 37.290,
337.975

■ 28, 18.243,
334.831

■ 19, 40.295,
338.955

■ 31, 12.705,
334.156

■ 18, 42.358,
340.051

■ 33, 7.138, 333.506

■ 17, 43.806,
340.795

■ 36, 1.618, 332.812

■ 39, 3.806, 152.390

■ 42, 9.105, 151.811

■ 44, 14.263,
151.280

■ 47, 19.274,
150.780

Harmonies

Complementary

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



24, 28.747, 336.291



33, 28.635, 148.298

Rectangle

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



24, 28.747, 336.291



24, 28.747, 26.291



24, 28.747, 156.291



24, 28.747, 206.291

Sweetspot

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



24, 28.746, 336.291



42, 10.914, 333.736



20, 31.485, 304.009



20, 7.292, 333.809



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



24, 28.746, 336.291



29, 41.495, 337.362



23, 22.759, 6.119



16, 3.071, 333.236



23, 50.481, 341.229



53, 88.709, 342.363

Inverse Universe

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



24, 28.746, 336.291



29, 41.495, 337.362



34, 19.069, 174.438



16, 3.071, 333.236



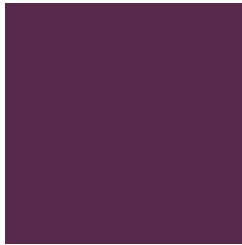
23, 50.481, 341.229



53, 88.709, 342.363

Previews

White Background



This preview shows how the CIE LCh color 24, 28.747, 336.291 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, 28.747, 336.291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

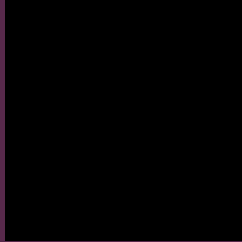
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 28.747, 336.291

Background



This preview shows how black text looks on a background with the CIELCh color 24, 28.747, 336.291.



This preview shows how white text looks on a background with the CIELCh color 24, 28.747, 336.291.

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, 28.747, 336.291

Protanopia

24, 19.999, 284.090

Deuteranopia

24, 9.931, 289.883



Tritanopia
24, 18.136, 17.290

Trichromacy



Original Color
24, 28.747, 336.291

Protanomaly
24, 21.711, 304.679

Deuteranomaly
24, 16.137, 317.745

Tritanomaly
24, 20.362, 357.788

Monochromacy



Original Color
24, 28.747, 336.291

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 10.708, 333.714

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 28.747, 336.291 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(87, 41, 75)` looks like.

```
.text, #text, p{  
    color:rgb(87, 41, 75)  
}
```

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(87, 41, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 41, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 28.747, 336.291 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(87, 41, 75) }
```

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

```
.border{ border-color:rgb(87, 41, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 41, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 41, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 41, 75);  
box-shadow:4px 4px 4px 4px rgb(87, 41, 75)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 28.747, 336.291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 41, 75) }
```

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

```
.background{ background-color: rgb(87, 41,  
75) }
```

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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