

Converting Colors

CIELCh(24, 32.501, 326.368)

Have a look what the booklet for
CIELCh(24, 32.501, 326.368)
contains.

CIELCh(24, 32.314, 326.894)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(24, 32.314, 326.894)

Conversions

Conversions Part 1

Format	Color
Hex	542954
RGB	84, 41, 84
RGB Percent	33%, 16%, 33%
CMY	0.6709, 0.8395, 0.6709
CMYK	0.00, 0.51, 0.00, 0.67
HSL	300°, 34%, 24%
HSV	300°, 51%, 33%
XYZ	6.0359, 4.1002, 8.8440
YIQ	58.7590, 11.8250, 22.4890

Conversions

Conversions Part 2

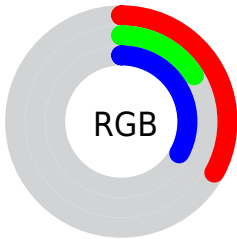
Format	Color
RYB	84, 41, 84
Decimal	5515604
CIELab	24.00, 27.07, -17.65
CIELCh	24, 32.314, 326.894
Yxy	4.1002, 0.3180, 0.2160
Android (android.graphics.Color)	4283705684 (0xFF542954)
YUV	58.7590, 12.4438, 22.1364
Hunter-Lab	20.2490, 17.7720, -11.7215

Details

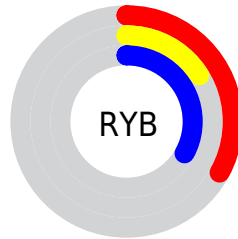
The CIELCh color $24, 32.314, 326.894$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $32, 32.446, 140.698$, and the grayscale version is $25, 0.004, 296.813$.

A 20% lighter version of the original color is $44, 32.581, 326.848$, and $5, 29.436, 326.649$ is the 20% darker color. If you saturate the color by 10%, you get $22, 37.758, 327.286$, and if you desaturate by 10%, it is $26, 26.364, 326.456$.

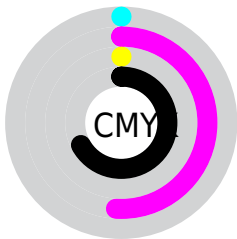
Distribution



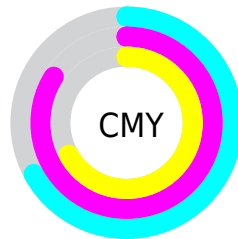
- Red (33%)
- Green (16%)
- Blue (33%)



- Red (33%)
- Yellow (16%)
- Blue (33%)



- Cyan (0%)
- Magenta (51%)
- Yellow (0%)
- Black (67%)





- Cyan (67%)
- Magenta (84%)
- Yellow (67%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 32.314, 326.894 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, 32.314, 326.894 by changing the saturation by 10% instead.

 24, 32.314,
326.894

 24, 32.314,
326.894

 100, 32.314,
326.894

 14, 32.314,
326.894


 44, 32.314,
326.894

 4, 32.314, 326.894

 54, 32.314,
326.894

 0, 32.314, 326.894

 64, 32.314,
326.894

 74, 32.314,
326.894

 84, 32.314,
326.894

 94, 32.314,

326.894

■ 24, 32.314,
326.894

■ 24, 32.314,
326.894

■ 22, 37.758,
327.286

■ 26, 26.364,
326.456

■ 21, 42.490,
327.619

■ 28, 20.099,
325.984

■ 20, 46.312,
327.882

■ 30, 13.675,
325.491

■ 19, 49.143,
328.073

■ 33, 7.210, 324.983

■ 18, 51.497,
328.230

■ 35, 0.790, 324.328

■ 38, 5.527, 144.036

■ 41, 11.704,
143.544

■ 43, 17.721,
143.079

■ 46, 23.566,
142.637

Harmonies

Complementary

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



24, 32.314, 326.894



32, 32.446, 140.698

Rectangle

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



24, 32.314, 326.894



24, 32.314, 16.894



24, 32.314, 146.894



24, 32.314, 196.894

Sweetspot

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



24, 32.313, 326.894



42, 12.029, 325.203



19, 28.913, 296.239



20, 8.276, 325.268



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, 32.313, 326.894



30, 46.654, 327.354



23, 23.635, 347.550



15, 3.500, 324.849



24, 60.006, 328.230



55, 107.611, 328.230

Inverse Universe

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



22, 21.849, 24.495



27, 33.378, 26.894



32, 22.543, 157.970



15, 2.019, 19.806



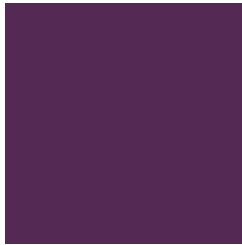
20, 51.595, 36.274



48, 97.373, 39.998

Previews

White Background



This preview shows how the CIE LCh color 24, 32.314, 326.894 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, 32.314, 326.894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

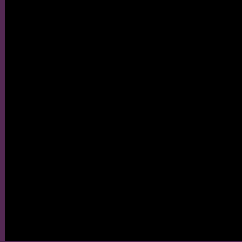
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 32.314, 326.894

Background



This preview shows how black text looks on a background with the CIELCh color 24, 32.314, 326.894.



This preview shows how white text looks on a background with the CIELCh color 24, 32.314, 326.894.

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, 32.314, 326.894

Protanopia

24, 27.270, 285.769

Deuteranopia

24, 16.005, 284.026



Tritanopia
24, 15.099, 15.250

Trichromacy



Original Color
24, 32.314, 326.894

Protanomaly
24, 27.363, 300.068

Deuteranomaly
24, 21.136, 306.007

Tritanomaly
24, 19.453, 346.707

Monochromacy



Original Color
24, 32.314, 326.894

Achromatopsia
25, 0.004, 296.813

Achromatomaly
24, 12.725, 325.569

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 32.314, 326.894 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(84, 41, 84)` looks like.

```
.text, #text, p{  
    color:rgb(84, 41, 84)  
}
```

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(84, 41, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 41, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 32.314, 326.894 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(84, 41, 84) }
```

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

```
.border{ border-color:rgb(84, 41, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 41, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 41, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 41, 84);  
box-shadow:4px 4px 4px 4px rgb(84, 41, 84)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 32.314, 326.894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 41, 84) }
```

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

```
.background{ background-color: rgb(84, 41,  
84) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor