

Converting Colors

CIELCh(30, 42.763, 316.524)

Have a look what the booklet for
CIELCh(30, 42.763, 316.524)
contains.

CIELCh(30, 42.764, 316.524)	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(30, 42.764, 316.524)

Conversions

Conversions Part 1

Format	Color
Hex	5F3575
RGB	95, 53, 117
RGB Percent	37%, 21%, 46%
CMY	0.6281, 0.7928, 0.5418
CMYK	0.19, 0.55, 0.00, 0.54
HSL	279°, 38%, 33%
HSV	279°, 55%, 46%
XYZ	9.1683, 6.2359, 17.4972
YIQ	72.8540, 4.4880, 28.8080

Conversions

Conversions Part 2

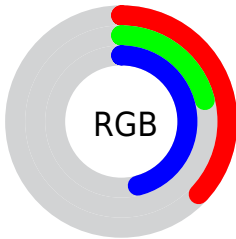
Format	Color
R_{YB}	95, 53, 117
Decimal	6239605
CIE _{Lab}	30.00, 31.03, -29.42
CIE _{LCh}	30, 42.764, 316.524
Yxy	6.2359, 0.2787, 0.1895
Android (android.graphics.Color)	4284429685 (0xFF5F3575)
YUV	72.8540, 21.7640, 19.4220
Hunter-Lab	24.9718, 21.8346, -24.0629

Details

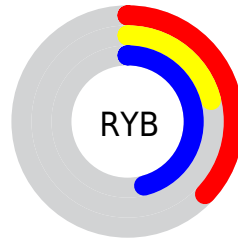
The CIELCh color $[30, 42.764, 316.524]$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $[45, 40.855, 131.797]$, and the grayscale version is $[31, 0.005, 296.813]$.

A 20% lighter version of the original color is $[50, 42.749, 316.681]$, and $[10, 42.784, 316.631]$ is the 20% darker color. If you saturate the color by 10%, you get $[27, 50.019, 316.799]$, and if you desaturate by 10%, it is $[33, 35.058, 316.164]$.

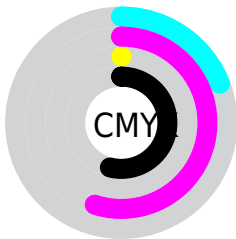
Distribution



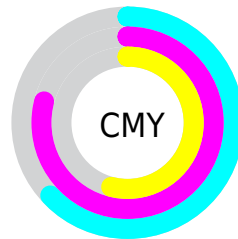
- Red (37%)
- Green (21%)
- Blue (46%)



- Red (37%)
- Yellow (21%)
- Blue (46%)



- Cyan (19%)
- Magenta (55%)
- Yellow (0%)
- Black (54%)





- Cyan (63%)
- Magenta (79%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 42.764, 316.524 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 30, 42.764, 316.524 by changing the saturation by 10% instead.


 30, 42.764,
316.524


 30, 42.764,
316.524

 100, 42.764,
316.524


 20, 42.764,
316.524


 50, 42.764,
316.524


 10, 42.764,
316.524

 60, 42.764,
316.524

 0, 42.764, 316.524

 70, 42.764,
316.524

 80, 42.764,
316.524

 90, 42.764,
316.524

30, 42.764,
316.524

30, 42.764,
316.524

27, 50.019,
316.799

33, 35.058,
316.164

24, 56.494,
316.935

37, 27.151,
315.758

22, 61.796,
316.869

40, 19.212,
315.334

20, 65.685,
316.564

44, 11.348,
314.910

19, 67.663,
316.426

47, 3.626, 314.485

51, 3.917, 134.165

55, 11.262,
133.792

58, 18.403,
133.465

■ 62, 25.340,
133.168

Harmonies

Complementary

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



30, 42.764, 316.524



45, 40.855, 131.797

Rectangle

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



30, 42.764, 316.524



30, 42.764, 6.524



30, 42.764, 136.524



30, 42.764, 186.524

Sweetspot

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



30, 42.763, 316.524



56, 15.360, 314.980



32, 26.860, 279.592



28, 10.325, 315.046



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



30, 42.763, 316.524



35, 63.243, 316.856



33, 40.562, 332.080



23, 4.313, 314.670



21, 69.981, 316.377



45, 119.074, 315.827

Inverse Universe

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



31, 30.645, 359.924



38, 45.154, 2.853



44, 40.828, 144.211



23, 3.041, 353.735



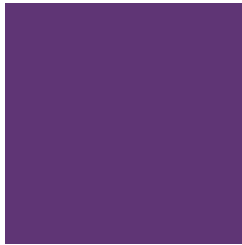
25, 49.644, 14.894



53, 85.175, 18.213

Previews

White Background



This preview shows how the CIELCh color 30, 42.764, 316.524 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 30, 42.764, 316.524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

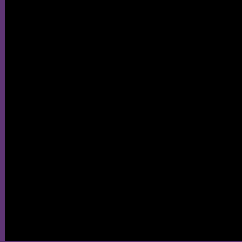
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 42.764, 316.524

Background



This preview shows how black text looks on a background with the CIELCh color 30, 42.764, 316.524.



This preview shows how white text looks on a background with the CIELCh color 30, 42.764, 316.524.

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

30, 42.764, 316.524

Protanopia

30, 40.408, 286.073

Deuteranopia

30, 27.409, 279.440



Tritanopia
30, 10.892, 4.468

Trichromacy



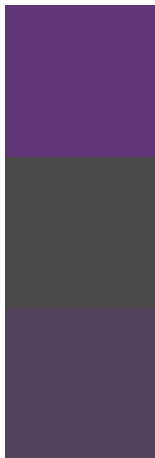
Original Color
30, 42.764, 316.524

Protanomaly
29, 40.307, 295.486

Deuteranomaly
29, 32.104, 295.851

Tritanomaly
30, 20.478, 329.110

Monochromacy



Original Color
30, 42.764, 316.524

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 16.008, 315.215

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 42.764, 316.524 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(95, 53, 117)` looks like.

```
.text, #text, p{  
    color:rgb(95, 53, 117)  
}
```

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(95, 53, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 53, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 42.764, 316.524 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(95, 53, 117) }
```

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

```
.border{ border-color:rgb(95, 53, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 53, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 53, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 53, 117);  
box-shadow:4px 4px 4px 4px rgb(95, 53,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 42.764, 316.524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 53, 117) }
```

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

```
.background{ background-color: rgb(95, 53,  
117) }
```

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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