

Converting Colors

CIELCh(42, 32.197, 299.450)

Have a look what the booklet for
CIELCh(42, 32.197, 299.450)
contains.

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Color

CIELCh(42, 32.265, 299.493)

Conversions

Conversions Part 1

Format	Color
Hex	645C91
RGB	100, 92, 145
RGB Percent	39%, 36%, 57%
CMY	0.6064, 0.6379, 0.4299
CMYK	0.31, 0.36, 0.00, 0.43
HSL	249°, 22%, 47%
HSV	249°, 36%, 57%
XYZ	14.2925, 12.5000, 28.5992
YIQ	100.4340, -12.2450, 18.1790

Conversions

Conversions Part 2

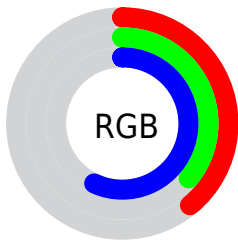
Format	Color
R_{YB}	100, 92, 145
Decimal	6577297
CIE _{Lab}	42.00, 15.88, -28.08
CIE _{LCh}	42, 32.265, 299.493
Yxy	12.5000, 0.2580, 0.2257
Android (android.graphics.Color)	4284767377 (0xFF645C91)
YUV	100.4340, 21.9710, -0.3806
Hunter-Lab	35.3553, 10.2873, -23.2114

Details

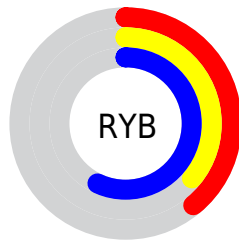
The CIELCh color $42, 32.265, 299.493$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $59, 29.641, 113.467$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 32.325, 299.507$, and $22, 32.267, 299.728$ is the 20% darker color. If you saturate the color by 10%, you get $37, 41.876, 300.739$, and if you desaturate by 10%, it is $47, 22.973, 298.388$.

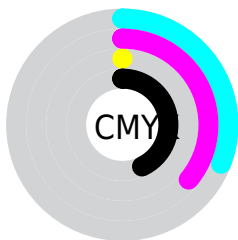
Distribution



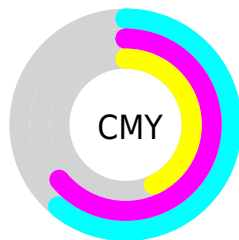
- Red (39%)
- Green (36%)
- Blue (57%)



- Red (39%)
- Yellow (36%)
- Blue (57%)



- Cyan (31%)
- Magenta (36%)
- Yellow (0%)
- Black (43%)




- Cyan (61%)
- Magenta (64%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 32.265, 299.493 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 42, 32.265, 299.493 by changing the saturation by 10% instead.

 42, 32.265,
299.493


 42, 32.265,
299.493


 100, 32.265,
299.493

 32, 32.265,
299.493

 62, 32.265,
299.493


 22, 32.265,
299.493

 72, 32.265,
299.493

 12, 32.265,
299.493

 82, 32.265,
299.493

 2, 32.265, 299.493

 92, 32.265,
299.493

 0, 32.265, 299.493

 42, 32.265,

 42, 32.265,

299.493

299.493

■ 37, 41.876,
300.739

■ 47, 22.973,
298.388

■ 32, 51.725,
302.104

■ 52, 14.025,
297.422

■ 28, 61.592,
303.532

■ 57, 5.413, 296.586

■ 23, 71.008,
304.901

■ 62, 2.877, 115.861

■ 20, 79.136,
306.018

■ 67, 10.867,
115.240


■ 17, 85.072,
306.715

■ 72, 18.575,
114.705

■ 17, 87.044,
307.003

■ 77, 26.019,
114.244

■ 82, 33.218,
113.846

 86, 40.186,
113.503

Harmonies

Complementary

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



42, 32.265, 299.493



59, 29.641, 113.467

Rectangle

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



42, 32.265, 299.493



42, 32.265, 349.493



42, 32.265, 119.493



42, 32.265, 169.493

Sweetspot

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



42, 32.264, 299.493



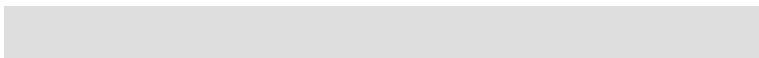
70, 11.469, 296.968



54, 16.080, 214.673



35, 7.698, 297.067



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



42, 32.264, 299.493



49, 48.905, 300.534



45, 34.076, 315.664



29, 4.811, 296.803



15, 83.638, 307.032



0, 4.141, 296.104

Inverse Universe

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



46, 33.164, 331.058



56, 49.017, 331.582



57, 32.996, 132.455



29, 5.202, 329.388



31, 65.118, 335.134



1, 4.523, 328.879

Previews

White Background



This preview shows how the CIELCh color 42, 32.265, 299.493 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 × Fail

Black Background



This preview shows how the CIE LCh color 42, 32.265, 299.493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

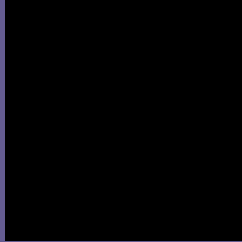
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 32.265, 299.493

Background



This preview shows how black text looks on a background with the CIELCh color 42, 32.265, 299.493.

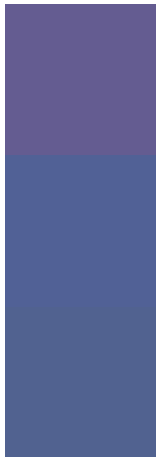


This preview shows how white text looks on a background with the CIELCh color 42, 32.265, 299.493.

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

42, 32.265, 299.493

Protanopia

42, 32.175, 285.778

Deuteranopia

42, 28.082, 282.892



Tritanopia
42, 5.512, 260.771

Trichromacy



Original Color
42, 32.265, 299.493

Protanomaly
42, 32.047, 290.682

Deuteranomaly
42, 29.638, 289.312

Tritanomaly
42, 15.130, 290.968

Monochromacy



Original Color
42, 32.265, 299.493

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 11.562, 297.614

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 32.265, 299.493 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(100, 92, 145)` looks like.

```
.text, #text, p{  
    color:rgb(100, 92, 145)  
}
```

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(100, 92, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 92, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 32.265, 299.493 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(100, 92, 145) }
```

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

```
.border{ border-color:rgb(100, 92, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 92, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 92, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 92, 145);  
box-shadow:4px 4px 4px 4px rgb(100, 92,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 32.265, 299.493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 92, 145) }
```

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

```
.background{ background-color: rgb(100, 92,  
145) }
```

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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