

Converting Colors

CIELCh(45, 32.995, 286.473)

Have a look what the booklet for
CIELCh(45, 32.995, 286.473)
contains.

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Color

CIELCh(45, 32.943, 286.418)

Conversions

Conversions Part 1

Format	Color
Hex	59689F
RGB	89, 104, 159
RGB Percent	35%, 41%, 62%
CMY	0.6508, 0.5920, 0.3763
CMYK	0.44, 0.35, 0.00, 0.38
HSL	227°, 28%, 49%
HSV	227°, 44%, 62%
XYZ	15.3424, 14.5417, 34.8228
YIQ	105.7850, -26.5950, 13.9250

Conversions

Conversions Part 2

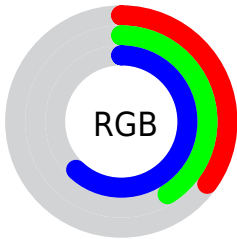
Format	Color
R _Y B	89, 101, 159
Decimal	5859487
CIE Lab	45.00, 9.31, -31.60
CIE LCh	45, 32.943, 286.418
Yxy	14.5417, 0.2371, 0.2247
Android (android.graphics.Color)	4284049567 (0xFF59689F)
YUV	105.7850, 26.2350, -14.7204
Hunter-Lab	38.1336, 5.0828, -27.4488

Details

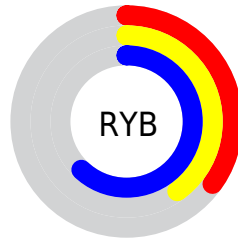
The CIELCh color $45, 32.943, 286.418$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $60, 31.290, 94.354$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 32.923, 286.387$, and $25, 33.040, 286.838$ is the 20% darker color. If you saturate the color by 10%, you get $40, 41.077, 288.711$, and if you desaturate by 10%, it is $50, 25.073, 284.431$.

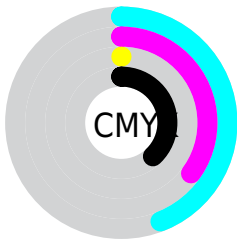
Distribution



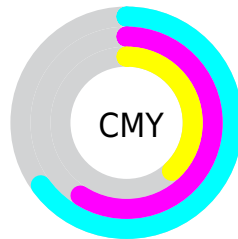
- Red (35%)
- Green (41%)
- Blue (62%)



- Red (35%)
- Yellow (40%)
- Blue (62%)



- Cyan (44%)
- Magenta (35%)
- Yellow (0%)
- Black (38%)





- Cyan (65%)
- Magenta (59%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 32.943, 286.418 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 45, 32.943, 286.418 by changing the saturation by 10% instead.


 45, 32.943,
286.418


 45, 32.943,
286.418


 100, 32.943,
286.418


 35, 32.943,
286.418

 65, 32.943,
286.418


 25, 32.943,
286.418

 75, 32.943,
286.418

 15, 32.943,
286.418

 85, 32.943,
286.418

 5, 32.943, 286.418

 95, 32.943,
286.418

 0, 32.943, 286.418

 45, 32.943,

 45, 32.943,

286.418

■ 40, 41.077,
288.711

■ 36, 49.491,
291.310

■ 32, 58.150,
294.171

■ 28, 66.907,
297.173

■ 24, 75.389,
300.112

■ 22, 80.122,
301.643

286.418

■ 50, 25.073,
284.431

■ 54, 17.447,
282.724

■ 59, 10.042,
281.263

■ 64, 2.841, 280.038

■ 68, 4.169, 98.869

■ 73, 10.999, 97.948

■ 77, 17.656, 97.132

■ 82, 24.148, 96.414

■ 87, 30.482, 95.780

Harmonies

Complementary

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



45, 32.943, 286.418



60, 31.290, 94.354

Rectangle

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



45, 32.943, 286.418



45, 32.943, 336.418



45, 32.943, 106.418



45, 32.943, 156.418

Sweetspot

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



45, 32.942, 286.418



75, 11.517, 281.161



61, 25.866, 177.717



39, 8.146, 281.446



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



45, 32.942, 286.418



52, 49.869, 288.710



43, 42.736, 304.455



31, 4.009, 280.646



20, 73.419, 301.381



1, 5.251, 280.212

Inverse Universe

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



46, 30.817, 7.710



55, 46.259, 9.797



63, 38.892, 118.636



31, 3.674, 2.953



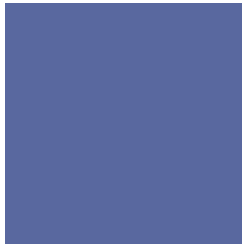
29, 59.196, 27.101



1, 4.681, 3.004

Previews

White Background



This preview shows how the CIELCh color 45, 32.943, 286.418 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 45, 32.943, 286.418 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 45, 32.943, 286.418

Background



This preview shows how black text looks on a background with the CIELCh color 45, 32.943, 286.418.



This preview shows how white text looks on a background with the CIELCh color 45, 32.943, 286.418.

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


45, 32.943, 286.418

Protanopia

45, 33.012, 285.417

Deuteranopia

45, 32.025, 281.698



Tritanopia
45, 12.869, 223.050

Trichromacy



Original Color
45, 32.943, 286.418

Protanomaly
45, 32.977, 285.915

Deuteranomaly
45, 32.505, 283.576

Tritanomaly
45, 17.551, 261.666

Monochromacy



Original Color
45, 32.943, 286.418

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 12.057, 282.887

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 32.943, 286.418 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(89, 104, 159)` looks like.

```
.text, #text, p{  
    color:rgb(89, 104, 159)  
}
```

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(89, 104, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 104, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 32.943, 286.418 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(89, 104, 159) }
```

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

```
.border{ border-color:rgb(89, 104, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 104, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 104, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 104, 159);  
box-shadow:4px 4px 4px 4px rgb(89, 104,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 32.943, 286.418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 104, 159) }
```

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

```
.background{ background-color: rgb(89, 104,  
159) }
```

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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