

Converting Colors

CIELCh(32, 59.606, 295.155)

Have a look what the booklet for
CIELCh(32, 59.606, 295.155)
contains.

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Color

CIELCh(32, 59.602, 295.234)

Conversions

Conversions Part 1

Format	Color
Hex	2D42A1
RGB	45, 66, 161
RGB Percent	18%, 26%, 63%
CMY	0.8217, 0.7400, 0.3672
CMYK	0.72, 0.59, 0.00, 0.37
HSL	229°, 56%, 41%
HSV	229°, 72%, 63%
XYZ	9.5325, 7.0852, 34.7471
YIQ	70.5510, -43.0110, 25.0930

Conversions

Conversions Part 2

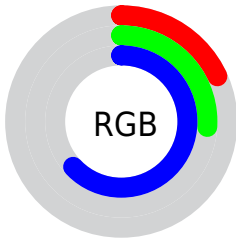
Format	Color
R_{YB}	45, 63, 161
Decimal	2966177
CIE _{Lab}	32.00, 25.41, -53.91
CIE _{LCh}	32, 59.602, 295.234
Yxy	7.0852, 0.1856, 0.1379
Android (android.graphics.Color)	4281156257 (0xFF2D42A1)
YUV	70.5510, 44.5914, -22.4082
Hunter-Lab	26.6180, 17.3438, -58.7646

Details

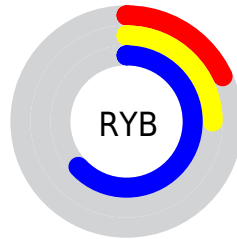
The CIELCh color **32, 59.602, 295.234** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **59, 51.196, 93.284**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 59.580, 295.040**, and **14, 57.889, 300.217** is the 20% darker color. If you saturate the color by 10%, you get **28, 68.832, 298.091**, and if you desaturate by 10%, it is **36, 50.446, 292.514**.

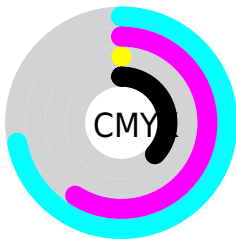
Distribution



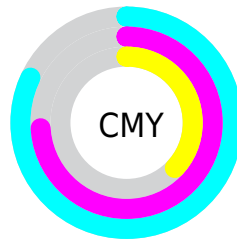
- Red (18%)
- Green (26%)
- Blue (63%)



- Red (18%)
- Yellow (25%)
- Blue (63%)



- Cyan (72%)
- Magenta (59%)
- Yellow (0%)
- Black (37%)





- Cyan (82%)
- Magenta (74%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 59.602, 295.234 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 32, 59.602, 295.234 by changing the saturation by 10% instead.


 32, 59.602,
295.234


 32, 59.602,
295.234

 100, 59.602,
295.234


 22, 59.602,
295.234

 52, 59.602,
295.234


 12, 59.602,
295.234


 62, 59.602,
295.234

 2, 59.602, 295.234

 72, 59.602,
295.234

 0, 59.602, 295.234

 82, 59.602,
295.234

 92, 59.602,
295.234

■ 32, 59.602,
295.234

■ 32, 59.602,
295.234

■ 28, 68.832,
298.091

■ 36, 50.446,
292.514

■ 24, 77.690,
300.872

■ 41, 41.550,
290.045

■ 22, 84.175,
302.821

■ 46, 32.959,
287.871

■ 51, 24.667,
285.990

■ 56, 16.650,
284.376

■ 61, 8.886, 282.997

■ 65, 1.353, 281.886

■ 70, 5.962, 100.748

Harmonies

Complementary

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



32, 59.602, 295.234



59, 51.196, 93.284

Rectangle

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



32, 59.602, 295.234



32, 59.602, 345.234



32, 59.602, 115.234



32, 59.602, 165.234

Sweetspot

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



32, 59.602, 295.235



71, 20.754, 284.465



60, 36.905, 177.113



35, 13.970, 284.850



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



32, 59.602, 295.235



35, 89.771, 299.725



30, 71.894, 307.815



32, 4.278, 282.681



19, 77.396, 302.599



1, 6.701, 282.552

Inverse Universe

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



38, 51.070, 17.680



45, 73.186, 24.306



62, 60.911, 119.140



32, 3.728, 5.579



30, 61.329, 29.820



1, 5.632, 6.129

Previews

White Background



This preview shows how the CIE LCh color 32, 59.602, 295.234 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 32, 59.602, 295.234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

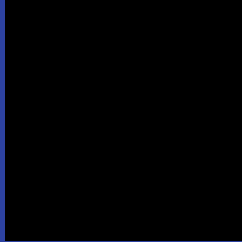
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 59.602, 295.234

Background



This preview shows how black text looks on a background with the CIELCh color 32, 59.602, 295.234.



This preview shows how white text looks on a background with the CIELCh color 32, 59.602, 295.234.

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


32, 59.602, 295.234

Protanopia

32, 51.504, 286.135

Deuteranopia

32, 36.523, 273.064



Tritanopia
32, 21.445, 206.982

Trichromacy



Original Color
32, 59.602, 295.234

Protanomaly
32, 54.417, 289.131

Deuteranomaly
32, 44.833, 283.393

Tritanomaly
31, 27.282, 261.865

Monochromacy



Original Color
32, 59.602, 295.234

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 22.444, 287.935

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 59.602, 295.234 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(45, 66, 161)` looks like.

```
.text, #text, p{  
    color:rgb(45, 66, 161)  
}
```

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(45, 66, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 66, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 59.602, 295.234 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(45, 66, 161) }
```

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

```
.border{ border-color:rgb(45, 66, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 66, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 66, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 66, 161);  
box-shadow:4px 4px 4px 4px rgb(45, 66,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 59.602, 295.234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 66, 161) }
```

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

```
.background{ background-color: rgb(45, 66,  
161) }
```

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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