

Converting Colors

CIELCh(32, 47.607, 287.581)

Have a look what the booklet for
CIELCh(32, 47.607, 287.581)
contains.

CIELCh(32, 47.523, 287.558)	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(32, 47.523, 287.558)

Conversions

Conversions Part 1

Format	Color
Hex	214893
RGB	33, 72, 147
RGB Percent	13%, 28%, 58%
CMY	0.8698, 0.7172, 0.4230
CMYK	0.77, 0.51, 0.00, 0.42
HSL	220°, 63%, 35%
HSV	220°, 77%, 58%
XYZ	8.2334, 7.0852, 28.5883
YIQ	68.8890, -47.3190, 15.0570

Conversions

Conversions Part 2

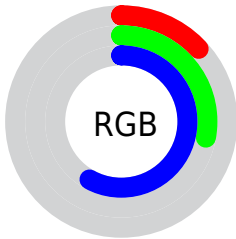
Format	Color
R_{YB}	33, 62, 147
Decimal	2181267
CIE _{Lab}	32.00, 14.34, -45.31
CIE _{LCh}	32, 47.523, 287.558
Y _{xy}	7.0852, 0.1875, 0.1614
Android (android.graphics.Color)	4280371347 (0xFF214893)
Y_{UV}	68.8890, 38.5087, -31.4747
Hunter-Lab	26.6180, 8.6315, -45.0462

Details

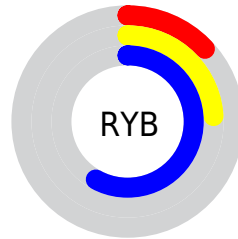
The CIELCh color **32, 47.523, 287.558** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **48, 46.251, 79.886**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 47.696, 287.583**, and **14, 46.216, 295.369** is the 20% darker color. If you saturate the color by 10%, you get **29, 54.263, 291.093**, and if you desaturate by 10%, it is **35, 40.950, 284.261**.

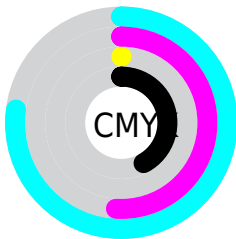
Distribution



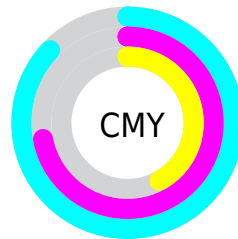
- Red (13%)
- Green (28%)
- Blue (58%)



- Red (13%)
- Yellow (24%)
- Blue (58%)



- Cyan (77%)
- Magenta (51%)
- Yellow (0%)
- Black (42%)





- Cyan (87%)
- Magenta (72%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 47.523, 287.558 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, 47.523, 287.558 by changing the saturation by 10% instead.


 32, 47.523,
287.558


 32, 47.523,
287.558

 100, 47.523,
287.558


 22, 47.523,
287.558

 52, 47.523,
287.558


 12, 47.523,
287.558


 62, 47.523,
287.558

 2, 47.523, 287.558

 72, 47.523,
287.558

 0, 47.523, 287.558

 82, 47.523,
287.558

 92, 47.523,
287.558

■ 32, 47.523,
287.558

■ 32, 47.523,
287.558

■ 29, 54.263,
291.093

■ 35, 40.950,
284.261

■ 26, 61.101,
294.631

■ 39, 34.549,
281.293

■ 25, 62.858,
295.450

■ 43, 28.293,
278.687

■ 47, 22.157,
276.433

■ 50, 16.121,
274.497

■ 54, 10.175,
272.841

■ 58, 4.314, 271.439

■ 62, 1.463, 90.026

Harmonies

Complementary

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



32, 47.523, 287.558



48, 46.251, 79.886

Rectangle

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



32, 47.523, 287.558



32, 47.523, 337.558



32, 47.523, 107.558



32, 47.523, 157.558

Sweetspot

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



32, 47.523, 287.559



66, 16.688, 273.809



54, 42.559, 163.029



33, 11.669, 274.382



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



32, 47.523, 287.559



36, 72.041, 293.783



23, 72.573, 305.014



29, 3.292, 271.667



23, 59.521, 295.220



1, 2.863, 270.465

Inverse Universe

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



34, 49.494, 6.444



41, 67.291, 13.812



58, 57.866, 111.341



29, 3.689, 353.922



28, 54.205, 15.803



1, 3.175, 353.141

Previews

White Background



This preview shows how the CIE LCh color 32, 47.523, 287.558 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, 47.523, 287.558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

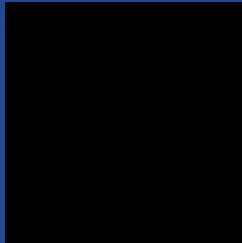
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 47.523, 287.558

Background



This preview shows how black text looks on a background with the CIELCh color 32, 47.523, 287.558.



This preview shows how white text looks on a background with the CIELCh color 32, 47.523, 287.558.

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, 47.523, 287.558

Protanopia

32, 47.563, 286.448

Deuteranopia

32, 37.609, 274.276



Tritanopia
32, 21.445, 206.982

Trichromacy



Original Color
32, 47.523, 287.558

Protanomaly
32, 47.523, 286.745

Deuteranomaly
32, 41.366, 279.733

Tritanomaly
31, 24.603, 251.951

Monochromacy



Original Color
32, 47.523, 287.558

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 17.810, 277.083

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 47.523, 287.558 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(33, 72, 147)` looks like.

```
.text, #text, p{  
    color:rgb(33, 72, 147)  
}
```

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(33, 72, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 72, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 47.523, 287.558 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(33, 72, 147) }
```

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

```
.border{ border-color:rgb(33, 72, 147) }
```

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

Here you see how a box with a 4 pixel rgb(33, 72, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 72, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 72, 147);  
box-shadow:4px 4px 4px 4px rgb(33, 72,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 47.523, 287.558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 72, 147) }
```

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

```
.background{ background-color: rgb(33, 72,  
147) }
```

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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