

Converting Colors

CIELCh(32, 49.653, 284.501)

Have a look what the booklet for
CIELCh(32, 49.653, 284.501)
contains.

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Color

CIELCh(32, 49.627, 284.604)

Conversions

Conversions Part 1

Format	Color
Hex	004A98
RGB	0, 74, 152
RGB Percent	0%, 29%, 60%
CMY	1.0000, 0.7114, 0.4058
CMYK	1.00, 0.51, 0.00, 0.41
HSL	211°, 100%, 30%
HSV	211°, 100%, 59%
XYZ	8.0314, 7.0852, 30.4450
YIQ	60.7660, -69.1420, 8.5700

Conversions

Conversions Part 2

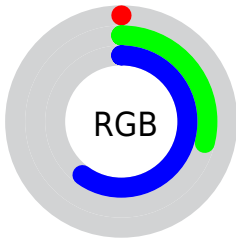
Format	Color
RYB	0, 50, 152
Decimal	19096
CIELab	32.00, 12.51, -48.02
CIELCh	32, 49.627, 284.604
Yxy	7.0852, 0.1763, 0.1555
Android (android.graphics.Color)	4278209176 (0xFF004A98)
YUV	60.7660, 44.9784, -53.2918
Hunter-Lab	26.6180, 7.2774, -49.1820

Details

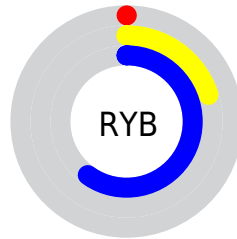
The CIELCh color **32, 49.627, 284.604** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **41, 57.320, 62.410**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 49.638, 284.619**, and **15, 47.259, 295.141** is the 20% darker color. If you saturate the color by 10%, you get **32, 49.611, 284.700**, and if you desaturate by 10%, it is **35, 44.574, 280.489**.

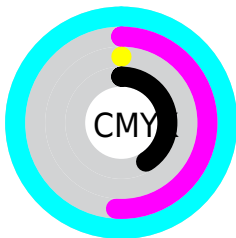
Distribution



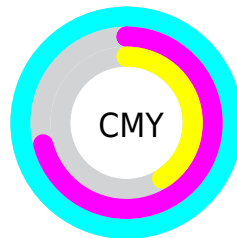
- Red (0%)
- Green (29%)
- Blue (60%)



- Red (0%)
- Yellow (20%)
- Blue (60%)



- Cyan (100%)
- Magenta (51%)
- Yellow (0%)
- Black (41%)



- Cyan (100%)
- Magenta (71%)
- Yellow (41%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 49.627, 284.604 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, 49.627, 284.604 by changing the saturation by 10% instead.


 32, 49.627,
284.604

 32, 49.627,
284.604

 100, 49.627,
284.604


 22, 49.627,
284.604

 52, 49.627,
284.604

 12, 49.627,
284.604

 62, 49.627,
284.604

 2, 49.627, 284.604

 72, 49.627,
284.604

 0, 49.627, 284.604

 82, 49.627,
284.604

 92, 49.627,
284.604

■ 32, 49.627,
284.604

■ 32, 49.627,
284.604

■ 32, 49.611,
284.700

■ 35, 44.574,
280.489

■ 37, 39.698,
276.295

■ 40, 34.892,
272.463

■ 43, 30.090,
269.078

■ 46, 25.243,
266.153

■ 49, 20.325,
263.661

■ 53, 15.332,
261.553

■ 56, 10.271,

259.777

■ 59, 5.156, 258.293

Harmonies

Complementary

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



32, 49.627, 284.604



41, 57.320, 62.410

Rectangle

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



32, 49.627, 284.604



32, 49.627, 334.604



32, 49.627, 104.604



32, 49.627, 154.604

Sweetspot

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



32, 49.611, 284.700



67, 18.932, 261.668



55, 59.910, 149.530



34, 12.991, 262.451



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



32, 49.611, 284.700



42, 61.299, 285.645



17, 90.742, 306.287



31, 2.938, 258.191



30, 46.571, 284.368



1, 3.208, 257.818

Inverse Universe

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



32, 57.414, 2.615



42, 69.462, 3.571



61, 65.716, 102.852



30, 4.145, 345.140



29, 54.291, 2.289



1, 4.405, 344.874

Previews

White Background



This preview shows how the CIELCh color 32, 49.627, 284.604 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 CIELCh color 32, 49.627, 284.604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

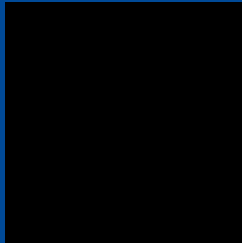
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 49.627, 284.604

Background



This preview shows how black text looks on a background with the CIELCh color 32, 49.627, 284.604.



This preview shows how white text looks on a background with the CIELCh color 32, 49.627, 284.604.

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, 49.627, 284.604

Protanopia

32, 49.400, 286.805

Deuteranopia

32, 37.609, 274.276



Tritanopia
32, 21.700, 205.080

Trichromacy



Original Color
32, 49.627, 284.604

Protanomaly
32, 49.532, 285.903

Deuteranomaly
32, 41.514, 278.361

Tritanomaly
32, 25.665, 250.951

Monochromacy



Original Color
32, 49.627, 284.604

Achromatopsia
25, 0.004, 296.813

Achromatomaly
27, 19.775, 267.331

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 49.627, 284.604 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(0, 74, 152)` looks like.

```
.text, #text, p{  
    color:rgb(0, 74, 152)  
}
```

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(0, 74, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 74, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 49.627, 284.604 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(0, 74, 152) }
```

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

```
.border{ border-color:rgb(0, 74, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 74, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 74, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 74, 152);  
box-shadow:4px 4px 4px 4px rgb(0, 74, 152)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 49.627, 284.604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 74, 152) }
```

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

```
.background{ background-color: rgb(0, 74,  
152) }
```

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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