

Converting Colors

CIELCh(30, 44.581, 266.398)

Have a look what the booklet for
CIELCh(30, 44.581, 266.398)
contains.

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Color

CIELCh(32, 41.514, 278.361)

Conversions

Conversions Part 1

Format	Color
Hex	004C8C
RGB	0, 76, 140
RGB Percent	0%, 30%, 55%
CMY	0.9984, 0.7015, 0.4504
CMYK	1.00, 0.46, 0.00, 0.45
HSL	207°, 99%, 28%
HSV	207°, 100%, 55%
XYZ	7.3410, 7.0852, 25.8442
YIQ	60.5720, -65.8400, 3.7920

Conversions

Conversions Part 2

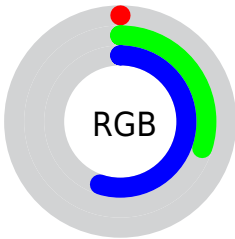
Format	Color
RYB	0, 49, 140
Decimal	19596
CIELab	32.00, 6.04, -41.07
CIELCh	32, 41.514, 278.361
Yxy	7.0852, 0.1823, 0.1759
Android (android.graphics.Color)	4278209676 (0xFF004C8C)
YUV	60.5720, 39.1580, -53.1216
Hunter-Lab	26.6180, 2.6476, -38.9338

Details

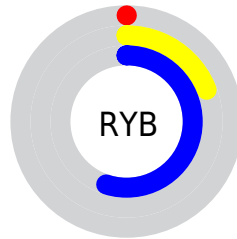
The CIELCh color **32, 41.514, 278.361** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **37, 55.164, 58.224**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 41.616, 278.523**, and **14, 39.451, 291.324** is the 20% darker color. If you saturate the color by 10%, you get **32, 41.629, 278.480**, and if you desaturate by 10%, it is **34, 37.610, 273.957**.

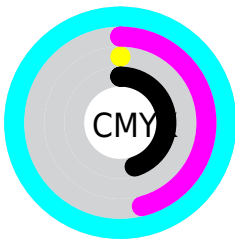
Distribution



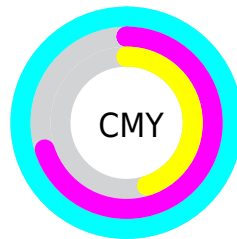
- Red (0%)
- Green (30%)
- Blue (55%)



- Red (0%)
- Yellow (19%)
- Blue (55%)



- Cyan (100%)
- Magenta (46%)
- Yellow (0%)
- Black (45%)





- Cyan (100%)
- Magenta (70%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 41.514, 278.361 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, 41.514, 278.361 by changing the saturation by 10% instead.


 32, 41.514,
278.361


 32, 41.514,
278.361

 100, 41.514,
278.361


 22, 41.514,
278.361

 52, 41.514,
278.361


 12, 41.514,
278.361


 62, 41.514,
278.361

 2, 41.514, 278.361

 72, 41.514,
278.361

 0, 41.514, 278.361

 82, 41.514,
278.361

 92, 41.514,
278.361

■ 32, 41.514,
278.361

■ 32, 41.514,
278.361

■ 32, 41.629,
278.480

■ 34, 37.610,
273.957

■ 37, 33.811,
269.638

■ 39, 29.989,
265.764

■ 42, 26.077,
262.393

■ 44, 22.033,
259.518

■ 47, 17.844,
257.097

■ 50, 13.513,
255.071

■ 53, 9.059, 253.381

Harmonies

Complementary

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



32, 41.514, 278.361



37, 55.164, 58.224

Rectangle

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



32, 41.514, 278.361



32, 41.514, 328.361



32, 41.514, 98.361



32, 41.514, 148.361

Sweetspot

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



32, 41.514, 278.363



63, 16.798, 255.242



51, 59.143, 147.373



32, 11.501, 255.966



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



32, 41.514, 278.363



41, 51.232, 279.567



16, 83.013, 305.420



28, 2.580, 251.917



30, 39.805, 278.208



1, 1.207, 250.760

Inverse Universe

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



30, 54.920, 357.073



39, 66.162, 358.020



54, 59.831, 99.676



27, 3.943, 342.125



28, 52.841, 356.950



0, 1.812, 341.459

Previews

White Background



This preview shows how the CIELCh color 32, 41.514, 278.361 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, 41.514, 278.361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

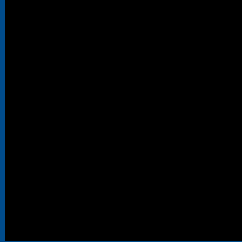
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 41.514, 278.361

Background



This preview shows how black text looks on a background with the CIELCh color 32, 41.514, 278.361.



This preview shows how white text looks on a background with the CIELCh color 32, 41.514, 278.361.

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, 41.514, 278.361

Protanopia

32, 40.645, 286.342

Deuteranopia

32, 38.705, 275.421



Tritanopia
32, 21.626, 206.870

Trichromacy



Original Color
32, 41.514, 278.361

Protanomaly
32, 41.058, 282.292

Deuteranomaly
32, 39.810, 276.504

Tritanomaly
32, 24.007, 243.751

Monochromacy



Original Color
32, 41.514, 278.361

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 17.603, 262.177

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 41.514, 278.361 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, 76, 140)` looks like.

```
.text, #text, p{  
    color:rgb(0, 76, 140)  
}
```

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, 76, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 76, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 41.514, 278.361 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, 76, 140) }
```

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

```
.border{ border-color:rgb(0, 76, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 76, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 76, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 76, 140);  
box-shadow:4px 4px 4px 4px rgb(0, 76, 140)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 41.514, 278.361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 76, 140) }
```

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

```
.background{ background-color: rgb(0, 76,  
140) }
```

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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