

Converting Colors

CIELCh(21, 53.395, 294.350)

Have a look what the booklet for
CIELCh(21, 53.395, 294.350)
contains.

CIELCh(21, 53.368, 294.242)	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(21, 53.368, 294.242)

Conversions

Conversions Part 1

Format	Color
Hex	022C7C
RGB	2, 44, 124
RGB Percent	1%, 17%, 49%
CMY	0.9912, 0.8284, 0.5149
CMYK	0.98, 0.65, 0.00, 0.51
HSL	219°, 96%, 25%
HSV	219°, 98%, 49%
XYZ	4.5384, 3.2451, 19.3556
YIQ	40.5620, -50.7120, 15.9760

Conversions

Conversions Part 2

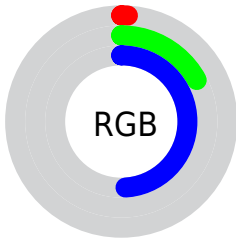
Format	Color
R_{YB}	2, 33, 124
Decimal	142460
CIE _{Lab}	21.00, 21.91, -48.66
CIE _{LCh}	21, 53.368, 294.242
Yxy	3.2451, 0.1672, 0.1196
Android (android.graphics.Color)	4278332540 (0xFF022C7C)
YUV	40.5620, 41.1349, -33.8189
Hunter-Lab	18.0142, 13.4457, -51.0950

Details

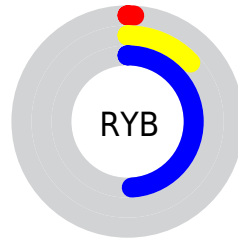
The CIELCh color **21, 53.368, 294.242** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **38, 47.673, 76.241**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 53.132, 294.075**, and **4, 51.999, 304.382** is the 20% darker color. If you saturate the color by 10%, you get **21, 54.455, 294.799**, and if you desaturate by 10%, it is **24, 47.427, 290.832**.

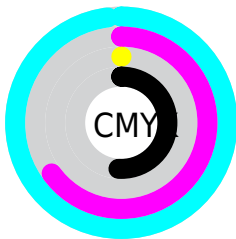
Distribution



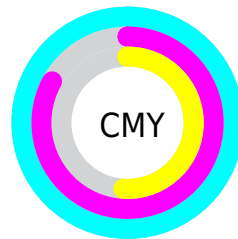
- Red (1%)
- Green (17%)
- Blue (49%)



- Red (1%)
- Yellow (13%)
- Blue (49%)



- Cyan (98%)
- Magenta (65%)
- Yellow (0%)
- Black (51%)





- Cyan (99%)
- Magenta (83%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 53.368, 294.242 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 21, 53.368, 294.242 by changing the saturation by 10% instead.

 21, 53.368,
294.242


 21, 53.368,
294.242

 100, 53.368,
294.242


 11, 53.368,
294.242


 41, 53.368,
294.242


 1, 53.368, 294.242

 51, 53.368,
294.242

 0, 53.368, 294.242

 61, 53.368,
294.242

 71, 53.368,
294.242

 81, 53.368,
294.242

 91, 53.368,

294.242

■ 21, 53.368,
294.242

■ 21, 53.368,
294.242

■ 21, 54.455,
294.799

■ 24, 47.427,
290.832

■ 26, 41.589,
287.365

■ 30, 35.896,
284.132

■ 33, 30.349,
281.221

■ 36, 24.925,
278.662

■ 39, 19.603,
276.442

■ 42, 14.366,
274.532

■ 46, 9.205, 272.893

■ 49, 4.117, 271.500

Harmonies

Complementary

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



21, 53.368, 294.242



38, 47.673, 76.241

Rectangle

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



21, 53.368, 294.242



21, 53.368, 344.242



21, 53.368, 114.242



21, 53.368, 164.242

Sweetspot

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



21, 53.368, 294.244



54, 18.324, 274.802



46, 42.896, 159.289



26, 12.704, 275.464



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



21, 53.368, 294.244



28, 67.550, 295.721



14, 76.266, 306.883



24, 2.810, 271.611



21, 54.911, 294.839



44, 97.728, 296.836

Inverse Universe

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



25, 49.529, 14.388



34, 60.838, 16.600



49, 57.064, 111.566



24, 3.149, 353.878



25, 50.434, 15.210



53, 85.915, 18.440

Previews

White Background



This preview shows how the CIE LCh color 21, 53.368, 294.242 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 21, 53.368, 294.242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

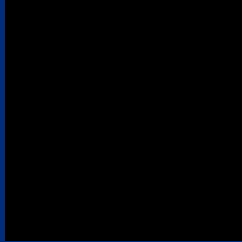
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 53.368, 294.242

Background



This preview shows how black text looks on a background with the CIELCh color 21, 53.368, 294.242.



This preview shows how white text looks on a background with the CIELCh color 21, 53.368, 294.242.

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

21, 53.380, 294.164

Protanopia

21, 37.463, 284.205

Deuteranopia

21, 26.059, 268.889



Tritanopia
21, 16.831, 203.552

Trichromacy



Original Color
21, 53.380, 294.164

Protanomaly
21, 43.201, 288.773

Deuteranomaly
21, 35.534, 282.422

Tritanomaly
20, 23.300, 264.106

Monochromacy



Original Color
21, 53.380, 294.164

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 20.508, 281.318

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 53.368, 294.242 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(2, 44, 124)` looks like.

```
.text, #text, p{  
    color:rgb(2, 44, 124)  
}
```

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(2, 44, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 44, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 53.368, 294.242 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(2, 44, 124) }
```

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

```
.border{ border-color:rgb(2, 44, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 44, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 44, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 44, 124);  
box-shadow:4px 4px 4px 4px rgb(2, 44, 124)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 53.368, 294.242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 44, 124) }
```

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

```
.background{ background-color: rgb(2, 44,  
124) }
```

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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