

Converting Colors

CIELCh(15, 72.153, 284.193)

Have a look what the booklet for
CIELCh(15, 72.153, 284.193)
contains.

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Color

CIELCh(22, 66.326, 298.401)

Conversions

Conversions Part 1

Format	Color
Hex	02298E
RGB	2, 41, 142
RGB Percent	1%, 16%, 56%
CMY	0.9912, 0.8409, 0.4442
CMYK	0.98, 0.71, 0.00, 0.44
HSL	224°, 97%, 28%
HSV	224°, 98%, 56%
XYZ	5.6677, 3.5154, 25.8622
YIQ	40.8530, -55.6650, 23.1430

Conversions

Conversions Part 2

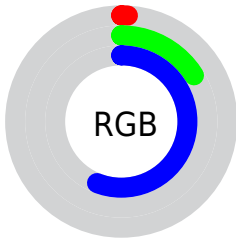
Format	Color
R_{YB}	2, 33, 142
Decimal	141710
CIE _{Lab}	22.00, 31.55, -58.34
CIE _{LCh}	22, 66.326, 298.401
Yxy	3.5154, 0.1617, 0.1003
Android (android.graphics.Color)	4278331790 (0xFF02298E)
YUV	40.8530, 49.8655, -34.0741
Hunter-Lab	18.7494, 21.1463, -68.6576

Details

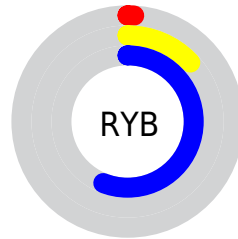
The CIELCh color **22, 66.326, 298.401** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **46, 53.395, 81.933**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 66.445, 298.376**, and **7, 62.251, 306.103** is the 20% darker color. If you saturate the color by 10%, you get **22, 67.449, 298.837**, and if you desaturate by 10%, it is **25, 59.069, 295.283**.

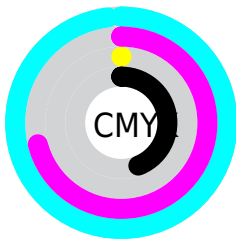
Distribution



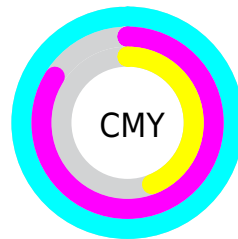
- Red (1%)
- Green (16%)
- Blue (56%)



- Red (1%)
- Yellow (13%)
- Blue (56%)



- Cyan (98%)
- Magenta (71%)
- Yellow (0%)
- Black (44%)





- Cyan (99%)
- Magenta (84%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 66.326, 298.401 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 22, 66.326, 298.401 by changing the saturation by 10% instead.

 22, 66.326,
298.401


 22, 66.326,
298.401

 100, 66.326,
298.401


 12, 66.326,
298.401


 42, 66.326,
298.401


 2, 66.326, 298.401

 52, 66.326,
298.401

 0, 66.326, 298.401

 62, 66.326,
298.401

 72, 66.326,
298.401

 82, 66.326,
298.401

 92, 66.326,

298.401

■ 22, 66.326,
298.401

■ 22, 66.326,
298.401

■ 22, 67.449,
298.837

■ 25, 59.069,
295.283

■ 28, 51.725,
292.034

■ 32, 44.499,
288.936

■ 36, 37.473,
286.110

■ 40, 30.656,
283.608

■ 44, 24.030,
281.432

■ 48, 17.572,
279.556

■ 52, 11.265,
277.947

■ 56, 5.098, 276.575

Harmonies

Complementary

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



22, 66.326, 298.401



46, 53.395, 81.933

Rectangle

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



22, 66.326, 298.401



22, 66.326, 348.401



22, 66.326, 118.401



22, 66.326, 168.401

Sweetspot

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



22, 66.327, 298.402



60, 22.966, 279.946



52, 43.972, 163.995



29, 15.680, 280.627



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



22, 66.327, 298.402



29, 83.336, 299.527



17, 83.851, 307.458



28, 3.441, 276.671



20, 64.872, 298.689



1, 2.304, 275.526

Inverse Universe

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



29, 56.316, 21.276



39, 69.385, 23.319



55, 64.002, 115.290



28, 3.463, 358.508



28, 54.892, 21.729



0, 2.295, 357.724

Previews

White Background



This preview shows how the CIELCh color 22, 66.326, 298.401 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 22, 66.326, 298.401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

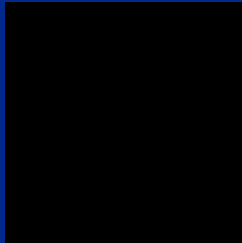
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 66.326, 298.401

Background



This preview shows how black text looks on a background with the CIELCh color 22, 66.326, 298.401.



This preview shows how white text looks on a background with the CIELCh color 22, 66.326, 298.401.

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

22, 66.199, 298.277

Protanopia

22, 38.504, 283.921

Deuteranopia

22, 27.188, 269.785



Tritanopia
22, 17.123, 205.740

Trichromacy



Original Color
22, 66.199, 298.277

Protanomaly
22, 48.689, 291.181

Deuteranomaly
22, 41.092, 286.544

Tritanomaly
21, 28.276, 273.374

Monochromacy



Original Color
22, 66.199, 298.277

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 25.741, 286.802

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 66.326, 298.401 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, 41, 142)` looks like.

```
.text, #text, p{  
    color:rgb(2, 41, 142)  
}
```

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, 41, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 41, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 66.326, 298.401 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, 41, 142) }
```

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

```
.border{ border-color:rgb(2, 41, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 41, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 41, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 41, 142);  
box-shadow:4px 4px 4px 4px rgb(2, 41, 142)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 66.326, 298.401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 41, 142) }
```

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

```
.background{ background-color: rgb(2, 41,  
142) }
```

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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