

Converting Colors

CIELCh(32, 23.002, 303.655)

Have a look what the booklet for
CIELCh(32, 23.002, 303.655)
contains.

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Color

CIELCh(32, 22.600, 303.476)

Conversions

Conversions Part 1	
Format	Color
Hex	504669
RGB	80, 70, 105
RGB Percent	31%, 27%, 41%
CMY	0.6867, 0.7259, 0.5887
CMYK	0.24, 0.33, 0.00, 0.59
HSL	257°, 20%, 34%
HSV	257°, 33%, 41%
XYZ	8.0263, 7.0852, 14.2783
YIQ	76.9800, -5.2750, 13.0050

Conversions

Conversions Part 2

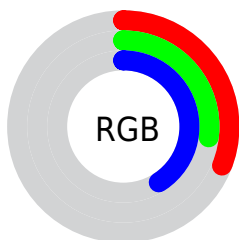
Format	Color
RYB	80, 70, 105
Decimal	5260905
CIELab	32.00, 12.47, -18.85
CIELCh	32, 22.600, 303.476
Yxy	7.0852, 0.2731, 0.2411
Android (android.graphics.Color)	4283450985 (0xFF504669)
YUV	76.9800, 13.8139, 2.6485
Hunter-Lab	26.6180, 7.2429, -13.1714

Details

The CIELCh color $32, 22.600, 303.476$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $43, 21.187, 119.400$, and the grayscale version is $33, 0.005, 296.813$.

A 20% lighter version of the original color is $52, 22.624, 303.906$, and $12, 22.593, 303.004$ is the 20% darker color. If you saturate the color by 10%, you get $28, 29.829, 304.309$, and if you desaturate by 10%, it is $36, 15.567, 302.718$.

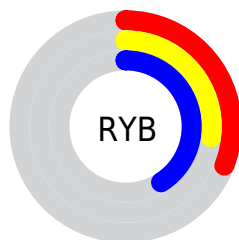
Distribution



Red (31%)

Green (27%)

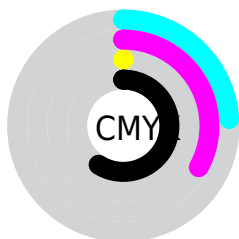
Blue (41%)



Red (31%)

Yellow (27%)

Blue (41%)

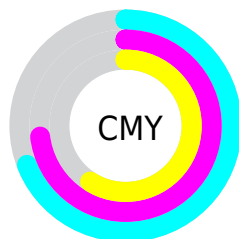


Cyan (24%)

Magenta (33%)

Yellow (0%)

Black (59%)



Cyan (69%)


Magenta (73%)

Yellow (59%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 22.600, 303.476 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, 22.600, 303.476 by changing the saturation by 10% instead.


 32, 22.600,
303.476

 32, 22.600,
303.476

 100, 22.600,
303.476

 22, 22.600,
303.476

 52, 22.600,
303.476

 12, 22.600,
303.476


 62, 22.600,
303.476

 2, 22.600, 303.476

 72, 22.600,
303.476

 0, 22.600, 303.476

 82, 22.600,
303.476

 92, 22.600,
303.476

■ 32, 22.600,
303.476

■ 32, 22.600,
303.476

■ 28, 29.829,
304.309

■ 36, 15.567,
302.718

■ 25, 37.198,
305.201

■ 39, 8.756, 302.041

■ 21, 44.577,
306.117

■ 43, 2.170, 301.433

■ 47, 4.196, 120.927

■ 18, 51.726,
306.987

■ 50, 10.349,
120.465

■ 15, 58.230,
307.702

■ 54, 16.303,
120.065

■ 13, 63.610,
308.155

■ 58, 22.066,
119.718

■ 11, 67.318,
308.625

■ 61, 27.652,
119.417

■ 65, 33.070,
119.157

Harmonies

Complementary

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



32, 22.600, 303.476



43, 21.187, 119.400

Rectangle

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



32, 22.600, 303.476



32, 22.600, 353.476



32, 22.600, 123.476



32, 22.600, 173.476

Sweetspot

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



32, 22.599, 303.476



52, 8.029, 301.847



39, 10.945, 232.406



26, 5.530, 301.911



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



32, 22.599, 303.476



38, 33.771, 304.113



34, 24.455, 319.684



20, 3.719, 301.768



13, 72.995, 308.506



34, 126.465, 307.994

Inverse Universe

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



34, 21.211, 335.952



42, 31.179, 336.540



41, 24.077, 136.673



21, 3.608, 334.243



25, 52.884, 343.047



55, 90.036, 344.204

Previews

White Background



This preview shows how the CIELCh color 32, 22.600, 303.476 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, 22.600, 303.476 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, 22.600, 303.476

Background



This preview shows how black text looks on a background with the CIELCh color 32, 22.600, 303.476.

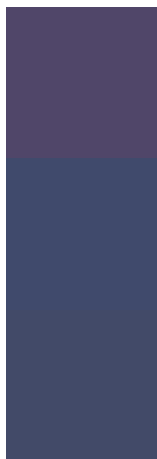


This preview shows how white text looks on a background with the CIELCh color 32, 22.600, 303.476.

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, 22.600, 303.476

Protanopia

32, 21.686, 284.669

Deuteranopia

32, 19.131, 284.836



Tritanopia
32, 3.803, 290.863

Trichromacy



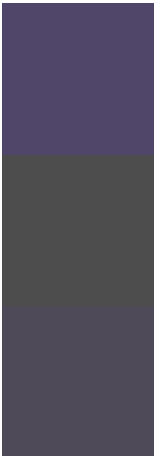
Original Color
32, 22.600, 303.476

Protanomaly
32, 21.541, 291.030

Deuteranomaly
32, 19.650, 291.446

Tritanomaly
32, 10.945, 300.579

Monochromacy



Original Color
32, 22.600, 303.476

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 8.432, 302.915

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 22.600, 303.476 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(80, 70, 105)` looks like.

```
.text, #text, p{  
    color:rgb(80, 70, 105)  
}
```

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(80, 70, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 70, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 22.600, 303.476 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(80, 70, 105) }
```

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

```
.border{ border-color:rgb(80, 70, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 70, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 70, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 70, 105);  
box-shadow:4px 4px 4px 4px rgb(80, 70,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 22.600, 303.476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 70, 105) }
```

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

```
.background{ background-color: rgb(80, 70,  
105) }
```

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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