

Converting Colors

CIELCh(53, 25.781, 301.971)

Have a look what the booklet for
CIELCh(53, 25.781, 301.971)
contains.

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Color

CIELCh(53, 25.900, 301.839)

Conversions

Conversions Part 1

Format	Color
Hex	8378A4
RGB	131, 120, 164
RGB Percent	51%, 47%, 64%
CMY	0.4851, 0.5282, 0.3556
CMYK	0.20, 0.27, 0.00, 0.36
HSL	255°, 20%, 56%
HSV	255°, 27%, 64%
XYZ	22.8893, 21.0462, 38.1273
YIQ	128.3050, -7.5680, 16.0160

Conversions

Conversions Part 2

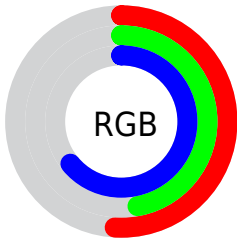
Format	Color
R_{YB}	131, 120, 164
Decimal	8616100
CIE Lab	53.00, 13.66, -22.00
CIE LCh	53, 25.900, 301.839
Yxy	21.0462, 0.2789, 0.2565
Android (android.graphics.Color)	4286806180 (0xFF8378A4)
YUV	128.3050, 17.5976, 2.3635
Hunter-Lab	45.8761, 8.7769, -17.1622

Details

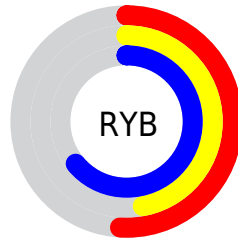
The CIELCh color $53, 25.900, 301.839$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $66, 24.510, 118.259$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 26.054, 302.365$, and $33, 25.529, 301.698$ is the 20% darker color. If you saturate the color by 10%, you get $48, 36.197, 302.739$, and if you desaturate by 10%, it is $58, 15.940, 301.038$.

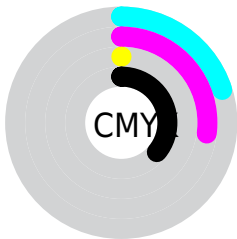
Distribution



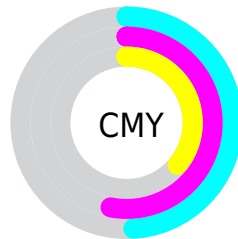
- Red (51%)
- Green (47%)
- Blue (64%)



- Red (51%)
- Yellow (47%)
- Blue (64%)



- Cyan (20%)
- Magenta (27%)
- Yellow (0%)
- Black (36%)



- Cyan (49%)
- Magenta (53%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 25.900, 301.839 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 53, 25.900, 301.839 by changing the saturation by 10% instead.

■ 53, 25.900,
301.839

■ 53, 25.900,
301.839

■ 100, 25.900,
301.839

■ 43, 25.900,
301.839

■ 73, 25.900,
301.839

■ 33, 25.900,
301.839

■ 83, 25.900,
301.839

■ 23, 25.900,
301.839

■ 93, 25.900,
301.839

■ 13, 25.900,
301.839

■ 3, 25.900, 301.839

■ 0, 25.900, 301.839

■ 53, 25.900,
301.839

■ 53, 25.900,
301.839

■ 48, 36.197,
302.739

■ 58, 15.940,
301.038

■ 42, 46.784,
303.731

■ 64, 6.333, 300.333

■ 37, 57.528,
304.787

■ 69, 2.932, 119.734

■ 32, 68.143,
305.845

■ 75, 11.867,
119.198

■ 28, 78.085,
306.794

■ 80, 20.493,
118.739

■ 24, 86.470,
307.465

■ 85, 28.828,
118.343


■ 21, 92.388,
307.710

■ 90, 36.890,
118.003

■ 21, 94.120,

■ 96, 44.696,
117.711

307.807

 97, 45.588,
112.990

Harmonies

Complementary

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



53, 25.900, 301.839



66, 24.510, 118.259

Rectangle

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



53, 25.900, 301.839



53, 25.900, 351.839



53, 25.900, 121.839



53, 25.900, 171.839

Sweetspot

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



53, 25.899, 301.838



80, 9.283, 300.424



61, 12.941, 227.254



41, 6.602, 300.522



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



53, 25.899, 301.838



64, 38.788, 302.350



55, 28.105, 318.429



32, 5.271, 300.499



18, 85.923, 307.891



1, 8.059, 299.012

Inverse Universe

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



56, 25.237, 334.113



69, 37.361, 334.533



64, 27.665, 136.008



32, 5.263, 332.901



32, 62.993, 341.050



1, 7.828, 334.437

Previews

White Background



This preview shows how the CIELCh color 53, 25.900, 301.839 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 53, 25.900, 301.839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

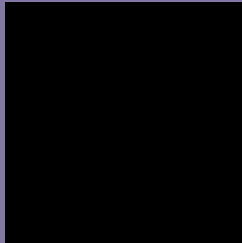
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 25.900, 301.839

Background



This preview shows how black text looks on a background with the CIELCh color 53, 25.900, 301.839.



This preview shows how white text looks on a background with the CIELCh color 53, 25.900, 301.839.

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


53, 25.900, 301.839

Protanopia

53, 24.998, 285.467

Deuteranopia

53, 22.611, 288.551



Tritanopia
53, 5.790, 290.903

Trichromacy



Original Color
53, 25.900, 301.839

Protanomaly
53, 25.486, 291.731

Deuteranomaly
53, 23.184, 292.994

Tritanomaly
53, 12.866, 298.416

Monochromacy



Original Color
53, 25.900, 301.839

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 9.401, 300.625

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 25.900, 301.839 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(131, 120, 164)` looks like.

```
.text, #text, p{  
    color:rgb(131, 120, 164)  
}
```

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(131, 120, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 120, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 25.900, 301.839 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(131, 120, 164) }
```

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

```
.border{ border-color:rgb(131, 120, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 120, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 120, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 120, 164);  
box-shadow:4px 4px 4px 4px rgb(131, 120,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 25.900, 301.839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 120, 164) }
```

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

```
.background{ background-color: rgb(131,  
120, 164) }
```

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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