

Converting Colors

CIELCh(53, 37.664, 326.271)

Have a look what the booklet for
CIELCh(53, 37.664, 326.271)
contains.

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Color

CIELCh(53, 37.376, 326.227)

Conversions

Conversions Part 1

Format	Color
Hex	A36CA3
RGB	163, 108, 163
RGB Percent	64%, 42%, 64%
CMY	0.3621, 0.5776, 0.3620
CMYK	0.00, 0.34, 0.00, 0.36
HSL	300°, 23%, 53%
HSV	300°, 34%, 64%
XYZ	26.9504, 21.0462, 37.1416
YIQ	130.7150, 15.1250, 28.7650

Conversions

Conversions Part 2

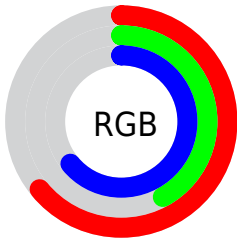
Format	Color
R _Y B	163, 108, 163
Decimal	10710179
CIE _{Lab}	53.00, 31.07, -20.78
CIE _{LCh}	53, 37.376, 326.227
Yxy	21.0462, 0.3165, 0.2472
Android (android.graphics.Color)	4288900259 (0xFFA36CA3)
YUV	130.7150, 15.9165, 28.3139
Hunter-Lab	45.8761, 24.5784, -15.8882

Details

The CIELCh color $53, 37.376, 326.227$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $62, 37.397, 142.059$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 37.632, 326.371$, and $33, 37.236, 326.212$ is the 20% darker color. If you saturate the color by 10%, you get $49, 47.905, 326.716$, and if you desaturate by 10%, it is $57, 26.409, 325.707$.

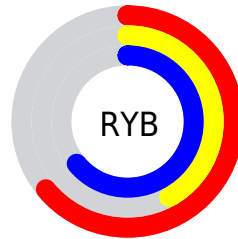
Distribution



Red (64%)

Green (42%)

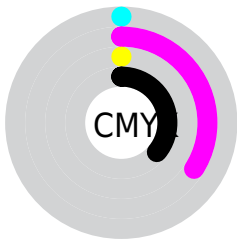
Blue (64%)



Red (64%)

Yellow (42%)

Blue (64%)

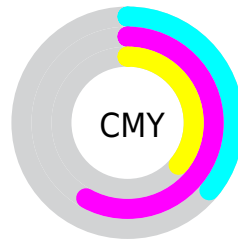


Cyan (0%)

Magenta (34%)

Yellow (0%)

Black (36%)



Cyan (36%)


Magenta (58%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 37.376, 326.227 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, 37.376, 326.227 by changing the saturation by 10% instead.


 53, 37.376,
326.227


 53, 37.376,
326.227


 100, 37.376,
326.227


 43, 37.376,
326.227


 73, 37.376,
326.227

 33, 37.376,
326.227

 83, 37.376,
326.227

 23, 37.376,
326.227

 93, 37.376,
326.227

 13, 37.376,
326.227

 3, 37.376, 326.227

 0, 37.376, 326.227

53, 37.376,
326.227

53, 37.376,
326.227

49, 47.905,
326.716

57, 26.409,
325.707

46, 57.654,
327.157

61, 15.280,
325.167

44, 66.218,
327.535

65, 4.183, 324.591

41, 73.191,
327.836

70, 6.751, 144.146

40, 78.253,
328.050

74, 17.437,
143.609


39, 81.287,
328.177

79, 27.830,
143.107

39, 82.566,
328.230

83, 37.906,
142.631

88, 47.661,
142.182

 92, 57.097,
141.760

Harmonies

Complementary

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



53, 37.376, 326.227



62, 37.397, 142.059

Rectangle

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



53, 37.376, 326.227



53, 37.376, 16.227



53, 37.376, 146.227



53, 37.376, 196.227

Sweetspot

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



53, 37.374, 326.227



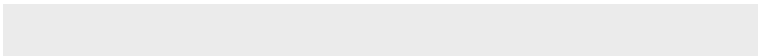
79, 13.697, 324.967



48, 31.920, 293.753



42, 9.426, 325.042



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, 37.374, 326.227



64, 55.723, 326.620



52, 27.064, 345.852



32, 6.267, 324.916



34, 76.022, 328.230



2, 9.704, 324.436

Inverse Universe

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



51, 23.727, 22.308



62, 36.642, 23.465



62, 26.080, 159.654



32, 3.629, 19.897



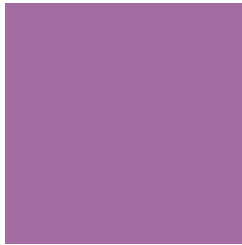
30, 68.061, 39.262



1, 5.464, 19.400

Previews

White Background



This preview shows how the CIELCh color 53, 37.376, 326.227 looks on a white background.

Color Contrast Check

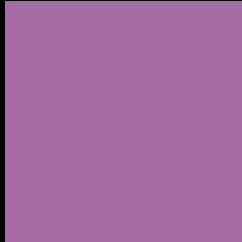
Large Text (above 18pt) WCAG AA ✓ Pass

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, 37.376, 326.227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

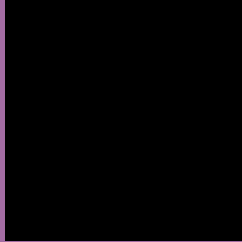
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 37.376, 326.227

Background



This preview shows how black text looks on a background with the CIELCh color 53, 37.376, 326.227.



This preview shows how white text looks on a background with the CIELCh color 53, 37.376, 326.227.

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, 37.376, 326.227

Protanopia
53, 29.635, 285.564

Deuteranopia
53, 20.848, 290.787



Tritanopia
53, 18.408, 5.422

Trichromacy



Original Color
53, 37.376, 326.227

Protanomaly
53, 30.486, 300.868

Deuteranomaly
53, 25.976, 308.371

Tritanomaly
53, 24.056, 344.065

Monochromacy



Original Color
53, 37.376, 326.227

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 13.960, 325.176

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 37.376, 326.227 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(163, 108, 163)` looks like.

```
.text, #text, p{  
    color:rgb(163, 108, 163)  
}
```

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(163, 108, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 108, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 37.376, 326.227 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(163, 108, 163) }
```

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

```
.border{ border-color:rgb(163, 108, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 108, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 108, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 108, 163);  
box-shadow:4px 4px 4px 4px rgb(163, 108,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 37.376, 326.227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 108, 163) }
```

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

```
.background{ background-color: rgb(163,  
108, 163) }
```

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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