

Converting Colors

CIELCh(53, 47.516, 328.589)

Have a look what the booklet for
CIELCh(53, 47.516, 328.589)
contains.

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Color

CIELCh(53, 47.638, 328.664)

Conversions

Conversions Part 1

Format	Color
Hex	AF64AA
RGB	175, 100, 170
RGB Percent	69%, 39%, 67%
CMY	0.3147, 0.6088, 0.3343
CMYK	0.00, 0.43, 0.03, 0.31
HSL	304°, 32%, 54%
HSV	304°, 43%, 69%
XYZ	29.3884, 21.0462, 40.4206
YIQ	130.4050, 22.2300, 37.6700

Conversions

Conversions Part 2

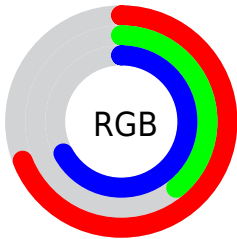
Format	Color
R _{YB}	175, 100, 170
Decimal	11494570
CIE _{Lab}	53.00, 40.69, -24.77
CIE _{LCh}	53, 47.638, 328.664
Yxy	21.0462, 0.3235, 0.2316
Android (android.graphics.Color)	4289684650 (0xFFAF64AA)
YUV	130.4050, 19.5203, 39.1098
Hunter-Lab	45.8761, 34.0643, -20.1260

Details

The CIELCh color $53, 47.638, 328.664$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $65, 47.763, 142.932$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 47.318, 328.902$, and $33, 48.125, 328.604$ is the 20% darker color. If you saturate the color by 10%, you get $50, 57.592, 329.182$, and if you desaturate by 10%, it is $57, 36.906, 328.119$.

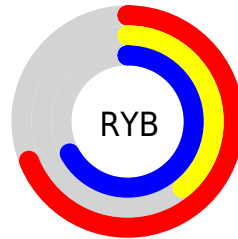
Distribution



Red (69%)

Green (39%)

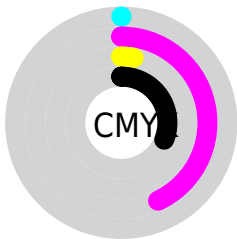
Blue (67%)



Red (69%)

Yellow (39%)

Blue (67%)

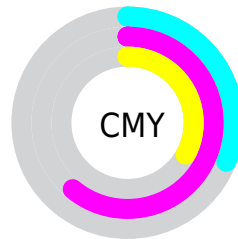


Cyan (0%)

Magenta (43%)

Yellow (3%)

Black (31%)



Cyan (31%)

Magenta (61%)

Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 47.638, 328.664 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, 47.638, 328.664 by changing the saturation by 10% instead.


 53, 47.638,
328.664


 53, 47.638,
328.664


 100, 47.638,
328.664


 43, 47.638,
328.664


 73, 47.638,
328.664

 33, 47.638,
328.664

 83, 47.638,
328.664

 23, 47.638,
328.664

 93, 47.638,
328.664

 13, 47.638,
328.664

 3, 47.638, 328.664

 0, 47.638, 328.664

■ 53, 47.638,
328.664

■ 53, 47.638,
328.664

■ 50, 57.592,
329.182

■ 57, 36.906,
328.119

■ 47, 66.346,
329.662

■ 61, 25.762,
327.557

■ 44, 73.455,
330.097

■ 65, 14.477,
326.986

■ 42, 78.553,
330.485

■ 70, 3.243, 326.368

■ 41, 81.478,
330.830


■ 75, 7.810, 145.929

■ 41, 82.633,
331.060

■ 79, 18.606,
145.382

■ 84, 29.102,
144.870

■ 89, 39.279,
144.385

 93, 47.945,
144.026

Harmonies

Complementary

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



53, 47.638, 328.664



65, 47.763, 142.932

Rectangle

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



53, 47.638, 328.664



53, 47.638, 18.664



53, 47.638, 148.664



53, 47.638, 198.664

Sweetspot

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



53, 47.636, 328.664



83, 18.038, 327.005



46, 44.614, 297.398



43, 12.735, 327.129



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



53, 47.636, 328.664



64, 68.839, 329.131



52, 35.040, 351.010



34, 6.298, 326.777



35, 74.056, 331.024



2, 12.968, 327.158

Inverse Universe

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



53, 47.636, 328.664



64, 68.839, 329.131



66, 32.847, 162.089



34, 6.298, 326.777



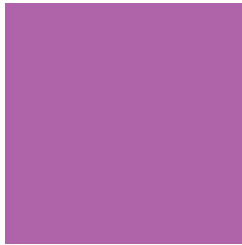
35, 74.056, 331.024



2, 12.968, 327.158

Previews

White Background



This preview shows how the CIELCh color 53, 47.638, 328.664 looks on a white background.

Color Contrast Check

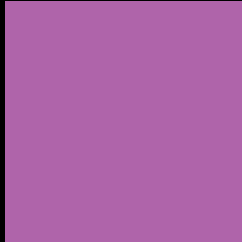
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 53, 47.638, 328.664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

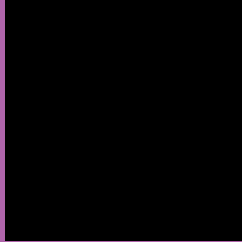
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 47.638, 328.664

Background



This preview shows how black text looks on a background with the CIELCh color 53, 47.638, 328.664.

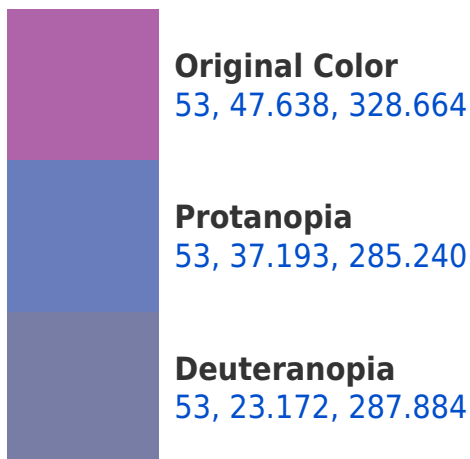


This preview shows how white text looks on a background with the CIELCh color 53, 47.638, 328.664.

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





Tritanopia
53, 24.234, 11.637

Trichromacy



Original Color
53, 47.638, 328.664

Protanomaly
53, 38.675, 301.492

Deuteranomaly
53, 30.800, 308.903

Tritanomaly
53, 30.050, 348.606

Monochromacy



Original Color
53, 47.638, 328.664

Achromatopsia
54, 0.007, 296.813

Achromatomaly
53, 17.857, 327.514

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 47.638, 328.664 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(175, 100, 170)` looks like.

```
.text, #text, p{  
    color:rgb(175, 100, 170)  
}
```

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(175, 100, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 100, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 47.638, 328.664 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(175, 100, 170) }
```

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

```
.border{ border-color:rgb(175, 100, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 100, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 100, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 100, 170);  
box-shadow:4px 4px 4px 4px rgb(175, 100,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 47.638, 328.664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 100, 170) }
```

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

```
.background{ background-color: rgb(175,  
100, 170) }
```

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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