

Converting Colors

CIELCh(53, 27.150, 204.947)

Have a look what the booklet for
CIELCh(53, 27.150, 204.947)
contains.

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Color

CIELCh(53, 27.193, 204.314)

Conversions

Conversions Part 1

Format	Color
Hex	2D8B91
RGB	45, 139, 145
RGB Percent	18%, 55%, 57%
CMY	0.8238, 0.4551, 0.4316
CMYK	0.69, 0.04, 0.00, 0.43
HSL	184°, 53%, 37%
HSV	184°, 69%, 57%
XYZ	15.4086, 21.0462, 30.0138
YIQ	111.5780, -57.9500, -18.0620

Conversions

Conversions Part 2

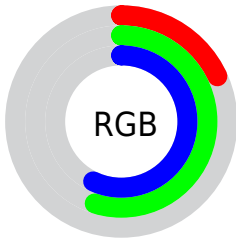
Format	Color
R _Y B	45, 93, 145
Decimal	2984849
CIE Lab	53.00, -24.78, -11.20
CIE LCh	53, 27.193, 204.314
Yxy	21.0462, 0.2318, 0.3166
Android (android.graphics.Color)	4281174929 (0xFF2D8B91)
YUV	111.5780, 16.4770, -58.3889
Hunter-Lab	45.8761, -20.3298, -6.6764

Details

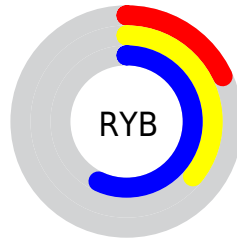
The CIELCh color **53, 27.193, 204.314** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **35, 46.599, 32.470**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 27.254, 204.341**, and **34, 22.285, 208.177** is the 20% darker color. If you saturate the color by 10%, you get **52, 28.872, 204.767**, and if you desaturate by 10%, it is **54, 24.843, 204.027**.

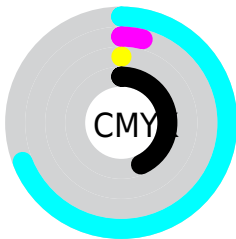
Distribution



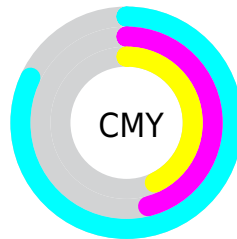
- Red (18%)
- Green (55%)
- Blue (57%)



- Red (18%)
- Yellow (36%)
- Blue (57%)



- Cyan (69%)
- Magenta (4%)
- Yellow (0%)
- Black (43%)





- Cyan (82%)
- Magenta (46%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 27.193, 204.314 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, 27.193, 204.314 by changing the saturation by 10% instead.


 53, 27.193,
204.314


 53, 27.193,
204.314


 100, 27.193,
204.314


 43, 27.193,
204.314


 73, 27.193,
204.314


 33, 27.193,
204.314

 83, 27.193,
204.314

 23, 27.193,
204.314

 93, 27.193,
204.314

 13, 27.193,
204.314

 3, 27.193, 204.314

 0, 27.193, 204.314

■ 53, 27.193,
204.314

■ 53, 27.193,
204.314

■ 52, 28.872,
204.767

■ 54, 24.843,
204.027

■ 52, 29.895,
205.406

■ 55, 21.846,
203.890

■ 52, 30.420,
206.200

■ 55, 18.256,
203.885

■ 52, 30.469,
206.280

■ 56, 14.143,
203.992

■ 58, 9.588, 204.199

■ 59, 4.672, 204.514

■ 60, 0.528, 23.918

■ 62, 5.942, 25.049

■ 63, 11.510, 25.495

Harmonies

Complementary

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



53, 27.193, 204.314



35, 46.599, 32.470

Rectangle

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



53, 27.193, 204.314



53, 27.193, 254.314



53, 27.193, 24.314



53, 27.193, 74.314

Sweetspot

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



53, 27.193, 204.313



73, 13.037, 204.139



53, 63.157, 139.561



38, 8.725, 204.086



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



53, 27.193, 204.313



67, 35.878, 205.110



38, 35.070, 275.633



30, 2.892, 204.508



48, 28.970, 206.211



2, 2.000, 204.730

Inverse Universe

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



37, 61.435, 329.658



46, 83.786, 330.248



46, 39.616, 71.553



28, 5.384, 326.569



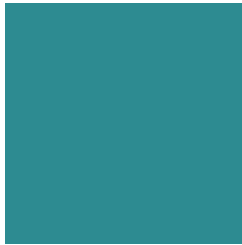
31, 68.872, 330.703



1, 3.616, 326.089

Previews

White Background



This preview shows how the CIE LCh color 53, 27.193, 204.314 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, 27.193, 204.314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

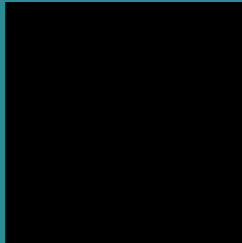
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 27.193, 204.314

Background



This preview shows how black text looks on a background with the CIELCh color 53, 27.193, 204.314.

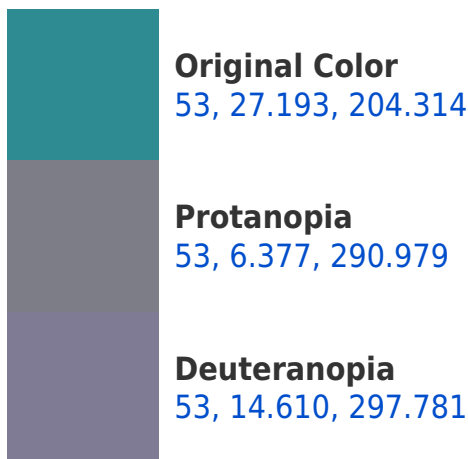


This preview shows how white text looks on a background with the CIELCh color 53, 27.193, 204.314.

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, 26.365, 211.201

Trichromacy



Original Color
53, 27.193, 204.314

Protanomaly
52, 13.029, 222.104

Deuteranomaly
52, 14.933, 243.292

Tritanomaly
53, 26.525, 209.778

Monochromacy



Original Color
53, 27.193, 204.314

Achromatopsia
47, 0.006, 296.813

Achromatomaly
49, 12.529, 203.532

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 27.193, 204.314 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(45, 139, 145)` looks like.

```
.text, #text, p{  
    color:rgb(45, 139, 145)  
}
```

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(45, 139, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 139, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 27.193, 204.314 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(45, 139, 145) }
```

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

```
.border{ border-color:rgb(45, 139, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 139, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 139, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 139, 145);  
box-shadow:4px 4px 4px 4px rgb(45, 139,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 27.193, 204.314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 139, 145) }
```

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

```
.background{ background-color: rgb(45, 139,  
145) }
```

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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