

Converting Colors

CIELCh(53, 21.507, 232.456)

Have a look what the booklet for
CIELCh(53, 21.507, 232.456)
contains.

CIELCh(53, 21.433, 232.826)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(53, 21.433, 232.826)

Conversions

Conversions Part 1

Format	Color
Hex	4C869B
RGB	76, 134, 155
RGB Percent	30%, 53%, 61%
CMY	0.7009, 0.4735, 0.3911
CMYK	0.51, 0.14, 0.00, 0.39
HSL	196°, 34%, 45%
HSV	196°, 51%, 61%
XYZ	17.5028, 21.0462, 34.2691
YIQ	119.0520, -41.3090, -5.7650

Conversions

Conversions Part 2

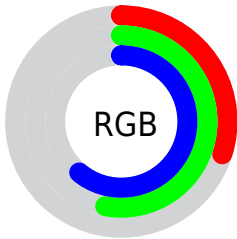
Format	Color
R _Y B	76, 109, 155
Decimal	5015195
CIE Lab	53.00, -12.95, -17.08
CIE LCh	53, 21.433, 232.826
Yxy	21.0462, 0.2404, 0.2890
Android (android.graphics.Color)	4283205275 (0xFF4C869B)
YUV	119.0520, 17.7224, -37.7566
Hunter-Lab	45.8761, -12.1815, -12.1759

Details

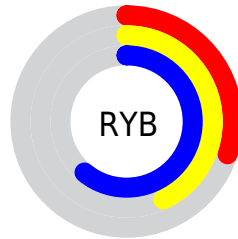
The CIELCh color **53, 21.433, 232.826** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **47, 30.360, 45.808**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 21.316, 232.625**, and **33, 21.517, 233.770** is the 20% darker color. If you saturate the color by 10%, you get **51, 24.463, 234.948**, and if you desaturate by 10%, it is **55, 17.939, 231.149**.

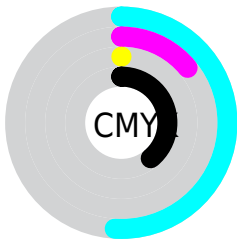
Distribution



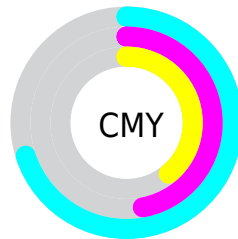
- Red (30%)
- Green (53%)
- Blue (61%)



- Red (30%)
- Yellow (43%)
- Blue (61%)



- Cyan (51%)
- Magenta (14%)
- Yellow (0%)
- Black (39%)





- Cyan (70%)
- Magenta (47%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 21.433, 232.826 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, 21.433, 232.826 by changing the saturation by 10% instead.


 53, 21.433,
232.826


 53, 21.433,
232.826


 100, 21.433,
232.826


 43, 21.433,
232.826


 73, 21.433,
232.826

 33, 21.433,
232.826

 83, 21.433,
232.826

 23, 21.433,
232.826

 93, 21.433,
232.826

 13, 21.433,
232.826

 3, 21.433, 232.826

 0, 21.433, 232.826

■ 53, 21.433,
232.826

■ 53, 21.433,
232.826

■ 51, 24.463,
234.948

■ 55, 17.939,
231.149

■ 49, 27.004,
237.609

■ 57, 14.033,
229.842

■ 48, 29.068,
240.886

■ 59, 9.772, 228.835

■ 46, 30.717,
244.827

■ 62, 5.219, 228.085

■ 64, 0.431, 228.400

■ 45, 32.049,
248.787

■ 66, 4.539, 46.844

■ 69, 9.648, 46.548

■ 71, 14.857, 46.307

■ 74, 20.136, 46.127

Harmonies

Complementary

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



53, 21.433, 232.826



47, 30.360, 45.808

Rectangle

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



53, 21.433, 232.826



53, 21.433, 282.826



53, 21.433, 52.826



53, 21.433, 102.826

Sweetspot

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



53, 21.432, 232.824



77, 8.807, 228.384



58, 44.642, 147.772



40, 6.027, 228.534



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



53, 21.432, 232.824



65, 30.106, 235.264



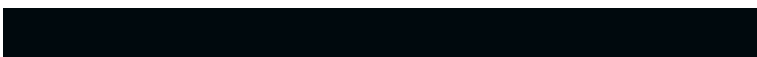
42, 36.007, 285.847



31, 2.690, 227.988



41, 29.669, 248.319



2, 2.958, 228.880

Inverse Universe

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



44, 44.265, 336.616



53, 63.558, 337.619



57, 34.369, 91.006



30, 4.932, 333.504



31, 60.750, 342.045



1, 5.248, 333.418

Previews

White Background



This preview shows how the CIELCh color 53, 21.433, 232.826 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, 21.433, 232.826 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, 21.433, 232.826

Background



This preview shows how black text looks on a background with the CIELCh color 53, 21.433, 232.826.



This preview shows how white text looks on a background with the CIELCh color 53, 21.433, 232.826.

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, 21.433, 232.826

Protanopia

53, 13.947, 285.887

Deuteranopia

53, 20.298, 291.667



Tritanopia
53, 20.988, 215.397

Trichromacy



Original Color
53, 21.433, 232.826

Protanomaly
53, 15.297, 260.074

Deuteranomaly
53, 18.664, 268.543

Tritanomaly
53, 20.942, 222.442

Monochromacy



Original Color
53, 21.433, 232.826

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 9.034, 225.661

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 21.433, 232.826 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(76, 134, 155)` looks like.

```
.text, #text, p{  
    color:rgb(76, 134, 155)  
}
```

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(76, 134, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 134, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 21.433, 232.826 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(76, 134, 155) }
```

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

```
.border{ border-color:rgb(76, 134, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 134, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 134, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 134, 155);  
box-shadow:4px 4px 4px 4px rgb(76, 134,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 21.433, 232.826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 134, 155) }
```

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

```
.background{ background-color: rgb(76, 134,  
155) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor