

Converting Colors

CIELCh(53, 24.285, 237.592)

Have a look what the booklet for
CIELCh(53, 24.285, 237.592)
contains.

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Color

CIELCh(53, 24.177, 236.758)

Conversions

Conversions Part 1

Format	Color
Hex	4587A1
RGB	69, 135, 161
RGB Percent	27%, 53%, 63%
CMY	0.7309, 0.4719, 0.3700
CMYK	0.57, 0.16, 0.00, 0.37
HSL	197°, 40%, 45%
HSV	197°, 57%, 63%
XYZ	17.4470, 21.0462, 36.6994
YIQ	118.2300, -47.6820, -5.9060

Conversions

Conversions Part 2

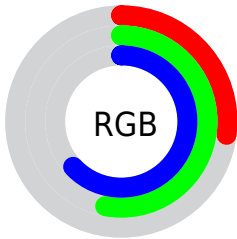
Format	Color
R_{YB}	69, 107, 161
Decimal	4556705
CIE _{Lab}	53.00, -13.25, -20.22
CIE _{LCh}	53, 24.177, 236.758
Yxy	21.0462, 0.2320, 0.2799
Android (android.graphics.Color)	4282746785 (0xFF4587A1)
YUV	118.2300, 21.0856, -43.1747
Hunter-Lab	45.8761, -12.3986, -15.3168

Details

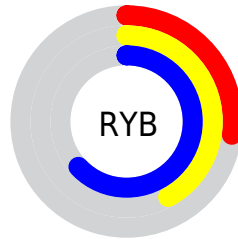
The CIELCh color $53, 24.177, 236.758$ is a dark color, and the websafe version is hex $3399CC$. A complement of this color would be $47, 35.761, 47.328$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 24.143, 237.596$, and $33, 23.625, 237.718$ is the 20% darker color. If you saturate the color by 10%, you get $51, 27.050, 239.377$, and if you desaturate by 10%, it is $55, 20.831, 234.662$.

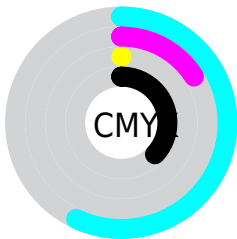
Distribution



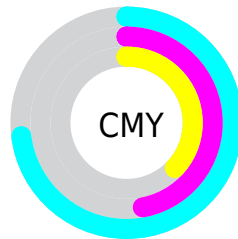
- Red (27%)
- Green (53%)
- Blue (63%)



- Red (27%)
- Yellow (42%)
- Blue (63%)



- Cyan (57%)
- Magenta (16%)
- Yellow (0%)
- Black (37%)





- Cyan (73%)
- Magenta (47%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 24.177, 236.758 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, 24.177, 236.758 by changing the saturation by 10% instead.


 53, 24.177,
236.758


 53, 24.177,
236.758


 100, 24.177,
236.758


 43, 24.177,
236.758


 73, 24.177,
236.758

 33, 24.177,
236.758


 83, 24.177,
236.758

 23, 24.177,
236.758

 93, 24.177,
236.758

 13, 24.177,
236.758

 3, 24.177, 236.758

 0, 24.177, 236.758

■ 53, 24.177,
236.758

■ 53, 24.177,
236.758

■ 51, 27.050,
239.377

■ 55, 20.831,
234.662

■ 49, 29.454,
242.604

■ 57, 17.046,
233.004

■ 47, 31.439,
246.495

■ 60, 12.875,
231.705

■ 46, 33.139,
250.977

■ 62, 8.376, 230.698

■ 45, 33.613,
252.186

■ 64, 3.609, 229.968

■ 67, 1.370, 48.907

■ 69, 6.512, 48.677

■ 72, 11.776, 48.336

■ 75, 17.127, 48.063

Harmonies

Complementary

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



53, 24.177, 236.758



47, 35.761, 47.328

Rectangle

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



53, 24.177, 236.758



53, 24.177, 286.758



53, 24.177, 56.758



53, 24.177, 106.758

Sweetspot

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



53, 24.176, 236.757



79, 10.212, 230.702



59, 50.472, 147.495



41, 6.785, 230.869



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



53, 24.176, 236.757



65, 33.847, 240.287



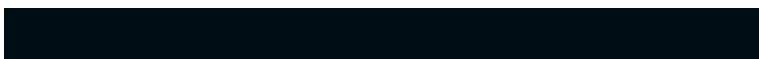
40, 43.045, 288.470



33, 2.829, 230.086



41, 31.134, 251.726



3, 4.477, 236.345

Inverse Universe

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



43, 49.871, 337.951



52, 70.768, 339.271



58, 40.156, 91.354



32, 5.143, 334.161



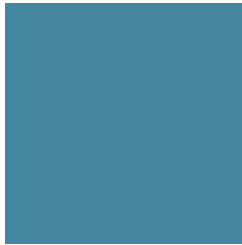
32, 61.636, 343.230



1, 7.633, 335.880

Previews

White Background



This preview shows how the CIE LCh color 53, 24.177, 236.758 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, 24.177, 236.758 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, 24.177, 236.758

Background



This preview shows how black text looks on a background with the CIELCh color 53, 24.177, 236.758.

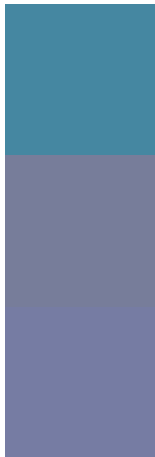


This preview shows how white text looks on a background with the CIELCh color 53, 24.177, 236.758.

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, 24.177, 236.758

Protanopia

53, 16.878, 284.951

Deuteranopia

53, 22.631, 287.694



Tritanopia
53, 23.419, 213.278

Trichromacy



Original Color
53, 24.177, 236.758

Protanomaly
53, 17.948, 260.043

Deuteranomaly
53, 21.383, 266.877

Tritanomaly
53, 23.311, 222.771

Monochromacy



Original Color
53, 24.177, 236.758

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 10.392, 233.032

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 24.177, 236.758 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(69, 135, 161)` looks like.

```
.text, #text, p{  
    color:rgb(69, 135, 161)  
}
```

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(69, 135, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 135, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 24.177, 236.758 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(69, 135, 161) }
```

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

```
.border{ border-color:rgb(69, 135, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 135, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 135, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 135, 161);  
box-shadow:4px 4px 4px 4px rgb(69, 135,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 24.177, 236.758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 135, 161) }
```

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

```
.background{ background-color: rgb(69, 135,  
161) }
```

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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