

Converting Colors

CIE LCh(53, 20.155, 255.260)

Have a look what the booklet for
CIELCh(53, 20.155, 255.260)
contains.

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Color

CIELCh(53, 20.229, 255.243)

Conversions

Conversions Part 1

Format	Color
Hex	5E83A0
RGB	94, 131, 160
RGB Percent	37%, 51%, 63%
CMY	0.6325, 0.4874, 0.3737
CMYK	0.41, 0.18, 0.00, 0.37
HSL	206°, 26%, 50%
HSV	206°, 41%, 63%
XYZ	18.9820, 21.0462, 36.1806
YIQ	123.2430, -31.3610, 1.1750

Conversions

Conversions Part 2

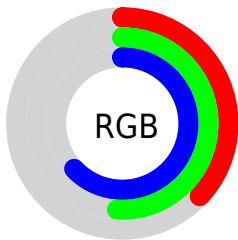
Format	Color
R _Y B	94, 118, 160
Decimal	6194080
CIE Lab	53.00, -5.15, -19.56
CIE LCh	53, 20.229, 255.243
Yxy	21.0462, 0.2491, 0.2762
Android (android.graphics.Color)	4284384160 (0xFF5E83A0)
YUV	123.2430, 18.1212, -25.6461
Hunter-Lab	45.8761, -6.4260, -14.6463

Details

The CIELCh color $53, 20.229, 255.243$ is a dark color, and the websafe version is hex $6699CC$. A complement of this color would be $54, 23.782, 64.059$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 20.278, 255.361$, and $33, 20.020, 253.902$ is the 20% darker color. If you saturate the color by 10%, you get $50, 24.704, 257.756$, and if you desaturate by 10%, it is $56, 15.564, 253.149$.

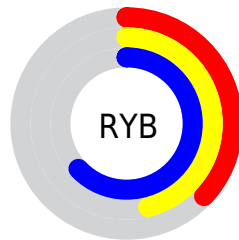
Distribution



Red (37%)

Green (51%)

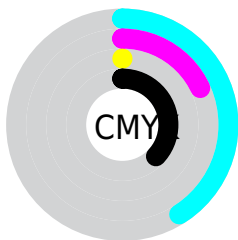
Blue (63%)



Red (37%)

Yellow (46%)

Blue (63%)

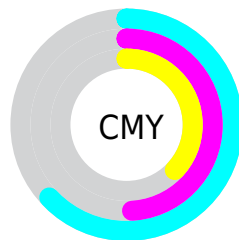


Cyan (41%)

Magenta (18%)

Yellow (0%)

Black (37%)



Cyan (63%)


Magenta (49%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 20.229, 255.243 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, 20.229, 255.243 by changing the saturation by 10% instead.


 53, 20.229,
255.243

 53, 20.229,
255.243


 100, 20.229,
255.243

 43, 20.229,
255.243


 73, 20.229,
255.243

 33, 20.229,
255.243

 83, 20.229,
255.243

 23, 20.229,
255.243

 93, 20.229,
255.243

 13, 20.229,
255.243

 3, 20.229, 255.243

 0, 20.229, 255.243

■ 53, 20.229,
255.243

■ 53, 20.229,
255.243

■ 50, 24.704,
257.756

■ 56, 15.564,
253.149

■ 47, 28.986,
260.756

■ 59, 10.732,
251.414

■ 44, 33.091,
264.284

■ 62, 5.761, 249.988

■ 42, 37.075,
268.343

■ 65, 0.683, 249.225

■ 69, 4.476, 67.609

■ 39, 41.024,
272.860

■ 72, 9.689, 66.784

■ 37, 44.544,
276.843

■ 75, 14.934, 66.057

■ 78, 20.193, 65.427

■ 81, 25.452, 64.879

Harmonies

Complementary

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



53, 20.229, 255.243



54, 23.782, 64.059

Rectangle

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



53, 20.229, 255.243



53, 20.229, 305.243



53, 20.229, 75.243



53, 20.229, 125.243

Sweetspot

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



53, 20.228, 255.242



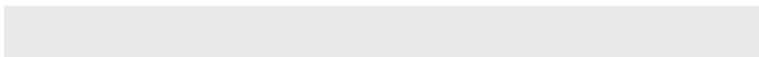
78, 7.524, 250.104



61, 32.452, 156.361



41, 5.024, 250.264



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, 20.228, 255.242



64, 29.698, 257.650



44, 36.916, 293.064



32, 2.860, 249.730



33, 40.699, 276.334



2, 3.840, 251.902

Inverse Universe

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



48, 33.386, 344.241



58, 49.239, 345.402



63, 33.702, 103.196



31, 4.482, 341.185



30, 56.058, 355.560



1, 5.691, 341.971

Previews

White Background



This preview shows how the CIE LCh color 53, 20.229, 255.243 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, 20.229, 255.243 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

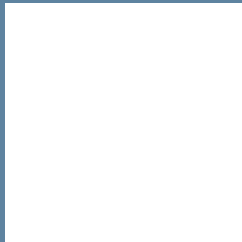
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 53, 20.229, 255.243

Background



This preview shows how black text looks on a background with the CIELCh color 53, 20.229, 255.243.

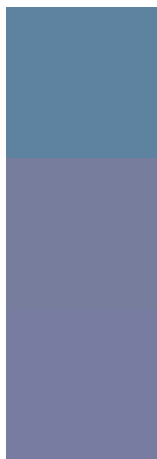


This preview shows how white text looks on a background with the CIELCh color 53, 20.229, 255.243.

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, 20.229, 255.243

Protanopia

53, 18.022, 285.602

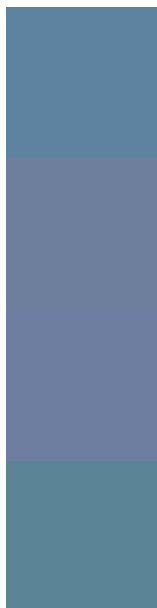
Deuteranopia

53, 21.445, 289.065



Tritanopia
53, 15.887, 221.903

Trichromacy



Original Color
53, 20.229, 255.243

Protanomaly
53, 18.133, 273.355

Deuteranomaly
53, 20.798, 277.451

Tritanomaly
53, 16.959, 236.532

Monochromacy



Original Color
53, 20.229, 255.243

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 7.717, 248.063

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 20.229, 255.243 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(94, 131, 160)` looks like.

```
.text, #text, p{  
    color:rgb(94, 131, 160)  
}
```

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(94, 131, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 131, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 20.229, 255.243 is called "border". The border property can be set on classes, ids or directly on the HTML element.

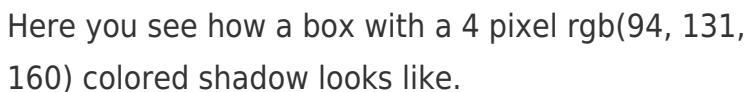
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(94, 131, 160) }
```

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

```
.border{ border-color:rgb(94, 131, 160) }
```

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



Here you see how a box with a 4 pixel rgb(94, 131, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 131, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 131, 160);  
box-shadow:4px 4px 4px 4px rgb(94, 131,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 20.229, 255.243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 131, 160) }
```

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

```
.background{ background-color: rgb(94, 131,  
160) }
```

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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