

Converting Colors

CIELCh(52, 19.194, 262.640)

Have a look what the booklet for
CIELCh(52, 19.194, 262.640)
contains.

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Color

CIELCh(52, 18.937, 262.307)

Conversions

Conversions Part 1

Format	Color
Hex	637F9C
RGB	99, 127, 156
RGB Percent	39%, 50%, 61%
CMY	0.6127, 0.5029, 0.3893
CMYK	0.37, 0.19, 0.00, 0.39
HSL	211°, 22%, 50%
HSV	211°, 37%, 61%
XYZ	18.6541, 20.1443, 34.2423
YIQ	121.9340, -25.9970, 3.0830

Conversions

Conversions Part 2

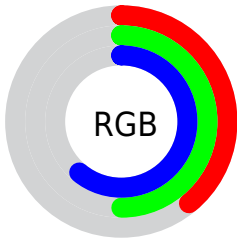
Format	Color
R _Y B	99, 118, 156
Decimal	6520732
CIE Lab	52.00, -2.54, -18.77
CIE LCh	52, 18.937, 262.307
Yxy	20.1443, 0.2554, 0.2758
Android (android.graphics.Color)	4284710812 (0xFF637F9C)
YUV	121.9340, 16.7945, -20.1131
Hunter-Lab	44.8824, -4.3559, -13.8166

Details

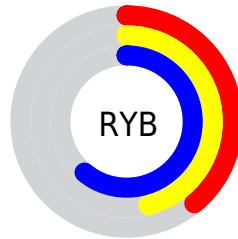
The CIELCh color $52, 18.937, 262.307$ is a dark color, and the websafe version is hex `6699CC`. A complement of this color would be $55, 20.832, 71.848$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 18.943, 262.481$, and $32, 19.130, 262.929$ is the 20% darker color. If you saturate the color by 10%, you get $49, 23.944, 264.669$, and if you desaturate by 10%, it is $55, 13.845, 260.312$.

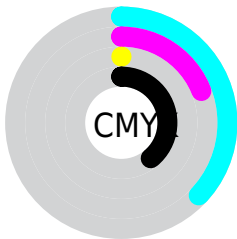
Distribution



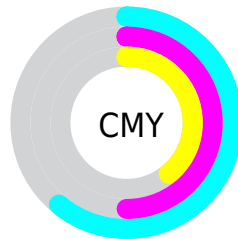
- Red (39%)
- Green (50%)
- Blue (61%)



- Red (39%)
- Yellow (46%)
- Blue (61%)



- Cyan (37%)
- Magenta (19%)
- Yellow (0%)
- Black (39%)



- Cyan (61%)
- Magenta (50%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 18.937, 262.307 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 52, 18.937, 262.307 by changing the saturation by 10% instead.

■ 52, 18.937,
262.307

■ 52, 18.937,
262.307

■ 100, 18.937,
262.307

■ 42, 18.937,
262.307

■ 72, 18.937,
262.307

■ 32, 18.937,
262.307

■ 82, 18.937,
262.307

■ 22, 18.937,
262.307

■ 92, 18.937,
262.307

■ 12, 18.937,
262.307

■ 2, 18.937, 262.307

■ 0, 18.937, 262.307

■ 52, 18.937,
262.307

■ 52, 18.937,
262.307

■ 49, 23.944,
264.669

■ 55, 13.845,
260.312

■ 46, 28.867,
267.456

■ 59, 8.683, 258.636

■ 42, 33.724,
270.704

■ 62, 3.466, 257.258

■ 65, 1.786, 75.787

■ 40, 38.557,
274.416

■ 69, 7.056, 74.871

■ 37, 43.429,
278.536

■ 72, 12.327, 73.992

■ 76, 17.587, 73.219

■ 34, 48.421,
282.883

■ 79, 22.823, 72.541

■ 33, 50.176,
284.272

■ 82, 28.027, 71.942

Harmonies

Complementary

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



52, 18.937, 262.307



55, 20.832, 71.848

Rectangle

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



52, 18.937, 262.307



52, 18.937, 312.307



52, 18.937, 82.307



52, 18.937, 132.307

Sweetspot

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



52, 18.936, 262.305



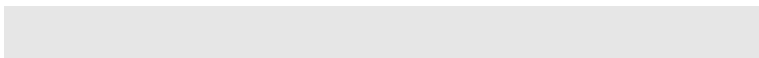
77, 7.116, 257.854



60, 26.816, 160.206



40, 4.817, 258.028



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



52, 18.936, 262.305



63, 27.921, 264.226



44, 34.152, 294.814



32, 3.005, 257.592



30, 46.742, 283.905



2, 4.027, 259.014

Inverse Universe

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



49, 27.862, 347.618



59, 41.176, 348.664



63, 31.209, 106.731



31, 4.276, 344.832



30, 55.048, 1.840



1, 5.437, 345.519

Previews

White Background



This preview shows how the CIELCh color 52, 18.937, 262.307 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 52, 18.937, 262.307 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

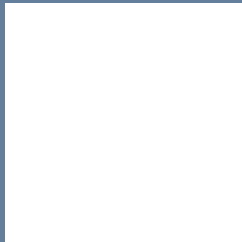
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 18.937, 262.307

Background



This preview shows how black text looks on a background with the CIELCh color 52, 18.937, 262.307.



This preview shows how white text looks on a background with the CIELCh color 52, 18.937, 262.307.

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

52, 18.937, 262.307

Protanopia

52, 18.069, 286.772

Deuteranopia

52, 20.946, 289.894



Tritanopia
52, 13.496, 223.946

Trichromacy



Original Color
52, 18.937, 262.307

Protanomaly
52, 17.940, 276.524

Deuteranomaly
52, 20.058, 280.686

Tritanomaly
52, 14.818, 240.585

Monochromacy



Original Color
52, 18.937, 262.307

Achromatopsia
51, 0.007, 296.813

Achromatomaly
52, 6.861, 257.413

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 18.937, 262.307 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(99, 127, 156)` looks like.

```
.text, #text, p{  
    color:rgb(99, 127, 156)  
}
```

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(99, 127, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 127, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 18.937, 262.307 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(99, 127, 156) }
```

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

```
.border{ border-color:rgb(99, 127, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 127, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 127, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 127, 156);  
box-shadow:4px 4px 4px 4px rgb(99, 127,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 18.937, 262.307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 127, 156) }
```

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

```
.background{ background-color: rgb(99, 127,  
156) }
```

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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