

Converting Colors

CIELCh(55, 55.825, 128.150)

Have a look what the booklet for
CIELCh(55, 55.825, 128.150)
contains.

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Color

CIELCh(55, 55.982, 128.468)

Conversions

Conversions Part 1

Format	Color
Hex	5C9232
RGB	92, 146, 50
RGB Percent	36%, 57%, 20%
CMY	0.6406, 0.4289, 0.8053
CMYK	0.37, 0.00, 0.66, 0.43
HSL	94°, 49%, 38%
HSV	94°, 66%, 57%
XYZ	15.1685, 22.9298, 6.6046
YIQ	118.9100, -1.3680, -41.3040

Conversions

Conversions Part 2

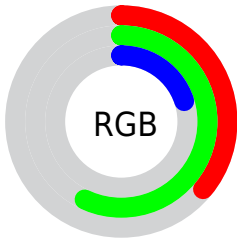
Format	Color
R_{YB}	50, 146, 104
Decimal	6066738
CIE _{Lab}	55.00, -34.83, 43.83
CIE _{LCh}	55, 55.982, 128.468
Yxy	22.9298, 0.3393, 0.5129
Android (android.graphics.Color)	4284256818 (0xFF5C9232)
YUV	118.9100, -33.9726, -23.6001
Hunter-Lab	47.8851, -27.2558, 25.3420

Details

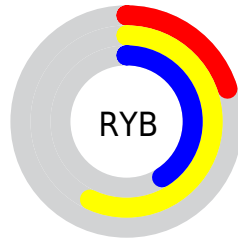
The CIELCh color **55, 55.982, 128.468** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **32, 60.604, 314.060**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 55.685, 128.370**, and **35, 53.847, 129.678** is the 20% darker color. If you saturate the color by 10%, you get **54, 62.585, 128.411**, and if you desaturate by 10%, it is **56, 48.444, 128.750**.

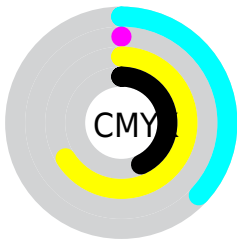
Distribution



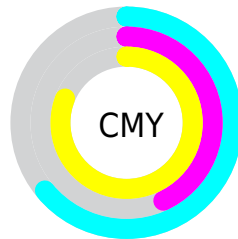
- Red (36%)
- Green (57%)
- Blue (20%)



- Red (20%)
- Yellow (57%)
- Blue (41%)



- Cyan (37%)
- Magenta (0%)
- Yellow (66%)
- Black (43%)





- Cyan (64%)
- Magenta (43%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 55.982, 128.468 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 55, 55.982, 128.468 by changing the saturation by 10% instead.


 55, 55.982,
128.468


 55, 55.982,
128.468


 100, 55.982,
128.468

 45, 55.982,
128.468


 75, 55.982,
128.468

 35, 55.982,
128.468

 85, 55.982,
128.468

 25, 55.982,
128.468

 95, 55.982,
128.468

 15, 55.982,
128.468

 5, 55.982, 128.468

 0, 55.982, 128.468

■ 55, 55.982,
128.468

■ 55, 55.982,
128.468

■ 54, 62.585,
128.411

■ 56, 48.444,
128.750

■ 54, 67.888,
128.695

■ 56, 40.283,
129.156

■ 54, 71.670,
129.390

■ 57, 31.735,
129.618

■ 54, 73.055,
129.664

■ 58, 22.969,
130.094

■ 59, 14.104,
130.559

■ 60, 5.222, 131.006

■ 61, 3.616, 311.355

■ 62, 12.368,
311.739

■ 63, 21.003,
312.068

Harmonies

Complementary

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



55, 55.982, 128.468



32, 60.604, 314.060

Rectangle

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



55, 55.982, 128.468



55, 55.982, 178.468



55, 55.982, 308.468



55, 55.982, 358.468

Sweetspot

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



55, 55.983, 128.469



74, 21.911, 130.352



47, 37.900, 72.007



38, 14.900, 130.235



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



55, 55.983, 128.469



69, 79.003, 128.495



53, 61.157, 139.933



31, 5.064, 130.859



51, 70.074, 129.583



2, 4.430, 131.226

Inverse Universe

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



32, 60.604, 314.060



37, 86.743, 314.237



38, 60.088, 329.192



29, 5.122, 311.593



22, 77.691, 313.683



1, 4.430, 311.223

Previews

White Background



This preview shows how the CIE LCh color 55, 55.982, 128.468 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 55, 55.982, 128.468 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 55, 55.982, 128.468

Background



This preview shows how black text looks on a background with the CIELCh color 55, 55.982, 128.468.



This preview shows how white text looks on a background with the CIELCh color 55, 55.982, 128.468.

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

55, 55.982, 128.468

Protanopia

55, 46.536, 95.133

Deuteranopia

55, 42.885, 80.502



Tritanopia
55, 12.238, 229.822

Trichromacy



Original Color
55, 55.982, 128.468

Protanomaly
54, 47.725, 109.359

Deuteranomaly
54, 43.101, 102.377

Tritanomaly
55, 22.324, 151.462

Monochromacy



Original Color
55, 55.982, 128.468

Achromatopsia
50, 0.007, 296.813

Achromatomaly
52, 21.829, 130.350

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 55.982, 128.468 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(92, 146, 50)` looks like.

```
.text, #text, p{  
    color:rgb(92, 146, 50)  
}
```

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(92, 146, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 146, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 55.982, 128.468 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(92, 146, 50) }
```

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

```
.border{ border-color:rgb(92, 146, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 146, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 146, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 146, 50);  
box-shadow:4px 4px 4px 4px rgb(92, 146,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 55.982, 128.468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 146, 50) }
```

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

```
.background{ background-color: rgb(92, 146,  
50) }
```

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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