

Converting Colors

CIELCh(55, 29.407, 248.272)

Have a look what the booklet for
CIELCh(55, 29.407, 248.272)
contains.

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Color

CIELCh(55, 29.401, 248.376)

Conversions

Conversions Part 1

Format	Color
Hex	418BB2
RGB	65, 139, 178
RGB Percent	25%, 55%, 70%
CMY	0.7435, 0.4536, 0.3006
CMYK	0.63, 0.22, 0.00, 0.30
HSL	201°, 46%, 48%
HSV	201°, 63%, 70%
XYZ	19.5603, 22.9298, 45.7017
YIQ	121.3200, -56.6230, -3.5590

Conversions

Conversions Part 2

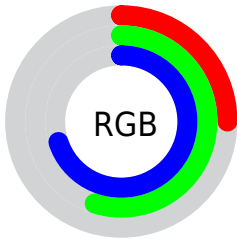
Format	Color
R _Y B	65, 110, 178
Decimal	4295602
CIE Lab	55.00, -10.83, -27.33
CIE LCh	55, 29.401, 248.376
Yxy	22.9298, 0.2218, 0.2600
Android (android.graphics.Color)	4282485682 (0xFF418BB2)
YUV	121.3200, 27.9432, -49.3926
Hunter-Lab	47.8851, -10.8844, -23.0670

Details

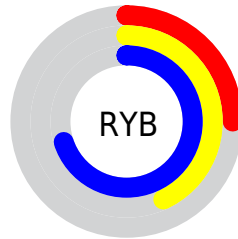
The CIELCh color **55, 29.401, 248.376** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **52, 43.039, 52.897**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 29.607, 248.942**, and **35, 27.969, 252.019** is the 20% darker color. If you saturate the color by 10%, you get **53, 32.752, 251.854**, and if you desaturate by 10%, it is **58, 25.662, 245.503**.

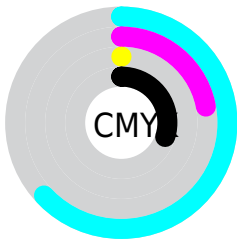
Distribution



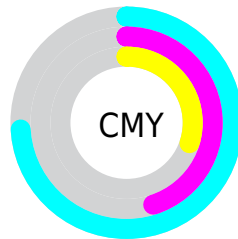
- Red (25%)
- Green (55%)
- Blue (70%)



- Red (25%)
- Yellow (43%)
- Blue (70%)



- Cyan (63%)
- Magenta (22%)
- Yellow (0%)
- Black (30%)





- Cyan (74%)
- Magenta (45%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 29.401, 248.376 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, 29.401, 248.376 by changing the saturation by 10% instead.


 55, 29.401,
248.376


 55, 29.401,
248.376


 100, 29.401,
248.376


 45, 29.401,
248.376


 75, 29.401,
248.376

 35, 29.401,
248.376

 85, 29.401,
248.376

 25, 29.401,
248.376

 95, 29.401,
248.376

 15, 29.401,
248.376

 5, 29.401, 248.376

 0, 29.401, 248.376

■ 55, 29.401,
248.376

■ 55, 29.401,
248.376

■ 53, 32.752,
251.854

■ 58, 25.662,
245.503

■ 50, 35.771,
255.973

■ 60, 21.529,
243.163

■ 48, 38.570,
260.694

■ 63, 17.030,
241.272

■ 47, 40.443,
263.956

■ 66, 12.208,
239.752

■ 69, 7.117, 238.544

■ 72, 1.809, 237.729

■ 75, 3.668, 56.556

■ 78, 9.272, 55.969

■ 81, 14.967, 55.447

Harmonies

Complementary

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



55, 29.401, 248.376



52, 43.039, 52.897

Rectangle

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



55, 29.401, 248.376



55, 29.401, 298.376



55, 29.401, 68.376



55, 29.401, 118.376

Sweetspot

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



55, 29.400, 248.376



85, 12.422, 239.234



65, 56.855, 149.011



45, 8.567, 239.596



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



55, 29.400, 248.376



66, 41.386, 253.416



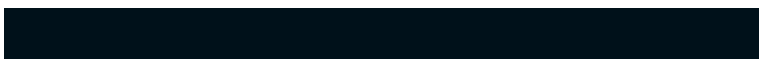
39, 57.227, 293.665



36, 3.049, 238.145



40, 35.847, 263.273



4, 7.781, 250.253

Inverse Universe

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



46, 56.452, 341.839



55, 78.178, 343.801



66, 50.398, 95.093



35, 5.296, 336.804



33, 61.521, 347.975



2, 11.768, 341.250

Previews

White Background



This preview shows how the CIE LCh color 55, 29.401, 248.376 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, 29.401, 248.376 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, 29.401, 248.376

Background



This preview shows how black text looks on a background with the CIELCh color 55, 29.401, 248.376.



This preview shows how white text looks on a background with the CIELCh color 55, 29.401, 248.376.

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, 29.401, 248.376

Protanopia
55, 24.263, 285.845

Deuteranopia
55, 30.075, 285.083



Tritanopia
55, 26.418, 212.448

Trichromacy



Original Color
55, 29.401, 248.376

Protanomaly
55, 25.337, 268.488

Deuteranomaly
55, 28.670, 270.601

Tritanomaly
55, 26.295, 225.066

Monochromacy



Original Color
55, 29.401, 248.376

Achromatopsia
51, 0.007, 296.813

Achromatomaly
52, 12.387, 239.934

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 29.401, 248.376 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(65, 139, 178)` looks like.

```
.text, #text, p{  
    color:rgb(65, 139, 178)  
}
```

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(65, 139, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 139, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 29.401, 248.376 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(65, 139, 178) }
```

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

```
.border{ border-color:rgb(65, 139, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 139, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(65, 139, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(65, 139, 178); box-shadow:4px 4px 4px 4px rgb(65, 139, 178) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 29.401, 248.376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 139, 178) }
```

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

```
.background{ background-color: rgb(65, 139,  
178) }
```

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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