

Converting Colors

CIELCh(52, 37.406, 165.382)

Have a look what the booklet for
CIELCh(52, 37.406, 165.382)
contains.

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Color

CIELCh(52, 37.066, 165.790)

Conversions

Conversions Part 1

Format	Color
Hex	2A8B6B
RGB	42, 139, 107
RGB Percent	16%, 55%, 42%
CMY	0.8335, 0.4534, 0.5790
CMYK	0.70, 0.00, 0.23, 0.45
HSL	160°, 53%, 36%
HSV	160°, 70%, 55%
XYZ	12.9329, 20.1443, 17.2131
YIQ	106.3490, -47.5400, -30.5160

Conversions

Conversions Part 2

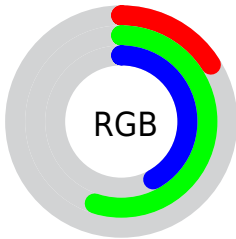
Format	Color
R_{YB}	42, 100, 139
Decimal	2788203
CIE _{Lab}	52.00, -35.93, 9.10
CIE _{LCh}	52, 37.066, 165.790
Yxy	20.1443, 0.2572, 0.4006
Android (android.graphics.Color)	4280978283 (0xFF2A8B6B)
YUV	106.3490, 0.3209, -56.4341
Hunter-Lab	44.8824, -27.1092, 8.6790

Details

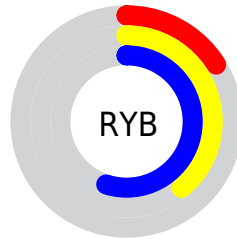
The CIELCh color **52, 37.066, 165.790** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **33, 43.661, 4.712**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 37.166, 165.718**, and **32, 32.328, 162.233** is the 20% darker color. If you saturate the color by 10%, you get **52, 40.669, 164.074**, and if you desaturate by 10%, it is **53, 32.883, 167.325**.

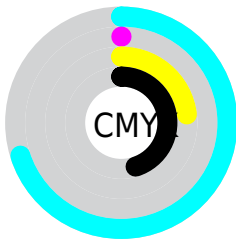
Distribution



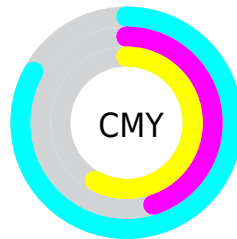
- Red (16%)
- Green (55%)
- Blue (42%)



- Red (16%)
- Yellow (39%)
- Blue (55%)



- Cyan (70%)
- Magenta (0%)
- Yellow (23%)
- Black (45%)





- Cyan (83%)
- Magenta (45%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 37.066, 165.790 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, 37.066, 165.790 by changing the saturation by 10% instead.


 52, 37.066,
165.790


 52, 37.066,
165.790


 100, 37.066,
165.790


 42, 37.066,
165.790


 72, 37.066,
165.790

 32, 37.066,
165.790

 82, 37.066,
165.790

 22, 37.066,
165.790

 92, 37.066,
165.790

 12, 37.066,
165.790

 2, 37.066, 165.790

 0, 37.066, 165.790

■ 52, 37.066,
165.790

■ 52, 37.066,
165.790

■ 52, 40.669,
164.074

■ 53, 32.883,
167.325

■ 51, 43.680,
162.166

■ 53, 28.170,
168.703

■ 51, 46.265,
160.164

■ 54, 23.008,
169.946

■ 51, 46.386,
160.074

■ 55, 17.488,
171.076

■ 56, 11.708,
172.116

■ 57, 5.755, 173.099

■ 58, 0.290, 352.688

■ 59, 6.362, 354.696

■ 61, 12.408,
355.506

Harmonies

Complementary

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



52, 37.066, 165.790



33, 43.661, 4.712

Rectangle

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



52, 37.066, 165.790



52, 37.066, 215.790



52, 37.066, 345.790



52, 37.066, 35.790

Sweetspot

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



52, 37.066, 165.789



71, 15.556, 171.922



52, 58.220, 131.527



37, 10.583, 171.674



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



52, 37.066, 165.789



66, 51.296, 163.096



48, 24.527, 220.386



29, 3.375, 173.137



49, 44.656, 160.187



1, 1.577, 173.893

Inverse Universe

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



33, 43.661, 4.712



40, 60.947, 9.994



36, 42.699, 38.848



27, 3.454, 354.652



27, 52.890, 16.612



0, 1.577, 353.880

Previews

White Background



This preview shows how the CIELCh color 52, 37.066, 165.790 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 52, 37.066, 165.790 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, 37.066, 165.790

Background



This preview shows how black text looks on a background with the CIELCh color 52, 37.066, 165.790.



This preview shows how white text looks on a background with the CIELCh color 52, 37.066, 165.790.

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, 37.066, 165.790

Protanopia
52, 14.288, 94.388

Deuteranopia
52, 9.374, 45.685



Tritanopia
52, 23.553, 213.213

Trichromacy



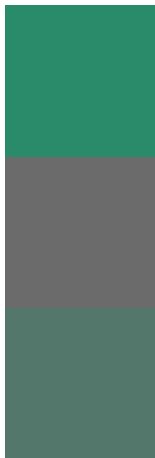
Original Color
52, 37.066, 165.790

Protanomaly
51, 19.916, 145.761

Deuteranomaly
51, 12.922, 152.013

Tritanomaly
52, 26.501, 190.445

Monochromacy



Original Color
52, 37.066, 165.790

Achromatopsia
45, 0.006, 296.813

Achromatomaly
47, 15.453, 170.316

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 37.066, 165.790 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(42, 139, 107)` looks like.

```
.text, #text, p{  
    color:rgb(42, 139, 107)  
}
```

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(42, 139, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 139, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 37.066, 165.790 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(42, 139, 107) }
```

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

```
.border{ border-color:rgb(42, 139, 107) }
```

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

Here you see how a box with a 4 pixel rgb(42, 139, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 139, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 139, 107);  
box-shadow:4px 4px 4px 4px rgb(42, 139,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 37.066, 165.790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 139, 107) }
```

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

```
.background{ background-color: rgb(42, 139,  
107) }
```

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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