

Converting Colors

CIELCh(51, 32.509, 91.503)

Have a look what the booklet for
CIELCh(51, 32.509, 91.503) contains.

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Color

CIELCh(51, 32.523, 91.061)

Conversions

Conversions Part 1

Format	Color
Hex	8A7841
RGB	138, 120, 65
RGB Percent	54%, 47%, 25%
CMY	0.4582, 0.5288, 0.7445
CMYK	0.00, 0.13, 0.53, 0.46
HSL	45°, 36%, 40%
HSV	45°, 53%, 54%
XYZ	18.1999, 19.2686, 7.7822
YIQ	119.1120, 28.3830, -13.2890

Conversions

Conversions Part 2

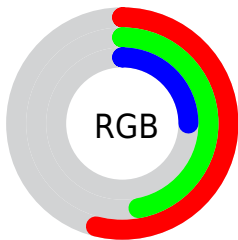
Format	Color
R_{YB}	89, 138, 65
Decimal	9074753
CIE Lab	51.00, -0.60, 32.52
CIE LCh	51, 32.523, 91.061
Yxy	19.2686, 0.4022, 0.4258
Android (android.graphics.Color)	4287264833 (0xFF8A7841)
YUV	119.1120, -26.6772, 16.5648
Hunter-Lab	43.8960, -2.8095, 20.2159

Details

The CIELCh color **51, 32.523, 91.061** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **36, 34.225, 286.402**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 32.597, 91.057**, and **31, 32.386, 91.092** is the 20% darker color. If you saturate the color by 10%, you get **50, 38.399, 89.762**, and if you desaturate by 10%, it is **52, 26.410, 92.337**.

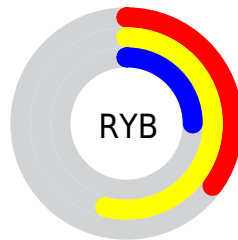
Distribution



Red (54%)

Green (47%)

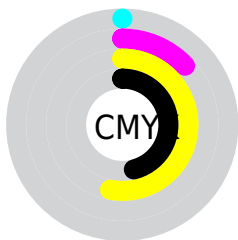
Blue (25%)



Red (35%)

Yellow (54%)

Blue (25%)

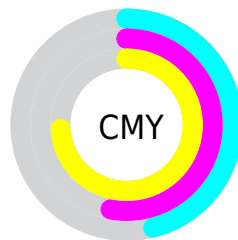


Cyan (0%)

Magenta (13%)

Yellow (53%)

Black (46%)



Cyan (46%)

Magenta (53%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 32.523, 91.061 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 51, 32.523, 91.061 by changing the saturation by 10% instead.

■ 51, 32.523, 91.061

■ 51, 32.523, 91.061

■ 100, 32.523,
91.061

■ 41, 32.523, 91.061

■ 71, 32.523, 91.061

■ 31, 32.523, 91.061

■ 81, 32.523, 91.061

■ 21, 32.523, 91.061

■ 91, 32.523, 91.061

■ 11, 32.523, 91.061

■ 1, 32.523, 91.061

■ 0, 32.523, 91.061

■ 51, 32.523, 91.061

■ 51, 32.523, 91.061

■ 50, 38.399, 89.762

■ 52, 26.410, 92.337

■ 49, 43.788, 88.414

■ 53, 20.206, 93.582

■ 48, 48.309, 86.983

■ 55, 13.997, 94.797

■ 47, 51.472, 85.400

■ 56, 7.827, 95.973

■ 46, 53.306, 84.244

■ 57, 1.720, 97.057

■ 58, 4.312, 278.277

■ 60, 10.265,
279.319

■ 61, 16.141,
280.328

■ 63, 21.942,
281.292

Harmonies

Complementary

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



51, 32.523, 91.061



36, 34.225, 286.402

Rectangle

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



51, 32.523, 91.061



51, 32.523, 141.061



51, 32.523, 271.061



51, 32.523, 321.061

Sweetspot

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



51, 32.523, 91.065



70, 12.038, 95.568



38, 33.305, 6.672



36, 8.104, 95.363



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



51, 32.523, 91.065



63, 47.362, 89.564



55, 40.913, 116.804



28, 3.419, 96.395



44, 51.759, 84.328



1, 1.583, 97.455

Inverse Universe

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



36, 34.225, 286.402



42, 51.156, 289.391



33, 46.208, 304.282



27, 3.445, 278.573



19, 66.374, 299.891



0, 1.584, 277.460

Previews

White Background



This preview shows how the CIELCh color 51, 32.523, 91.061 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 51, 32.523, 91.061 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 51, 32.523, 91.061

Background



This preview shows how black text looks on a background with the CIELCh color 51, 32.523, 91.061.



This preview shows how white text looks on a background with the CIELCh color 51, 32.523, 91.061.

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

51, 32.523, 91.061

Protanopia

51, 32.302, 96.086

Deuteranopia

51, 33.008, 78.294



Tritanopia
51, 12.741, 359.651

Trichromacy



Original Color
51, 32.523, 91.061

Protanomaly
51, 32.114, 93.513

Deuteranomaly
51, 32.576, 83.362

Tritanomaly
51, 14.046, 58.307

Monochromacy



Original Color
51, 32.523, 91.061

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 12.011, 94.113

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 32.523, 91.061 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(138, 120, 65)` looks like.

```
.text, #text, p{  
    color:rgb(138, 120, 65)  
}
```

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(138, 120, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 120, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 32.523, 91.061 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(138, 120, 65) }
```

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

```
.border{ border-color:rgb(138, 120, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 120, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 120, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 120, 65);  
box-shadow:4px 4px 4px 4px rgb(138, 120,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 32.523, 91.061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 120, 65) }
```

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

```
.background{ background-color: rgb(138,  
120, 65) }
```

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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