

Converting Colors

CIELCh(47, 24.418, 137.177)

Have a look what the booklet for
CIELCh(47, 24.418, 137.177)
contains.

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Color

CIELCh(47, 24.404, 137.456)

Conversions

Conversions Part 1

Format	Color
Hex	5A7753
RGB	90, 119, 83
RGB Percent	35%, 47%, 33%
CMY	0.6467, 0.5330, 0.6742
CMYK	0.24, 0.00, 0.30, 0.53
HSL	108°, 18%, 40%
HSV	108°, 30%, 47%
XYZ	12.3974, 16.0195, 10.6397
YIQ	106.2250, -5.7280, -17.3440

Conversions

Conversions Part 2

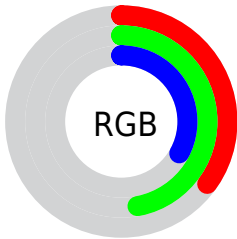
Format	Color
R_{YB}	83, 119, 112
Decimal	5928787
CIE _{Lab}	47.00, -17.98, 16.50
CIE _{LCh}	47, 24.404, 137.456
Yxy	16.0195, 0.3174, 0.4102
Android (android.graphics.Color)	4284118867 (0xFF5A7753)
YUV	106.2250, -11.4499, -14.2293
Hunter-Lab	40.0243, -14.7526, 12.2559

Details

The CIELCh color $47, 24.404, 137.456$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $40, 24.717, 320.258$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 23.996, 137.414$, and $27, 23.934, 137.681$ is the 20% darker color. If you saturate the color by 10%, you get $46, 32.356, 136.835$, and if you desaturate by 10%, it is $48, 16.327, 138.026$.

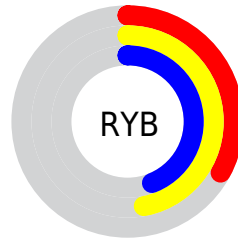
Distribution



Red (35%)

Green (47%)

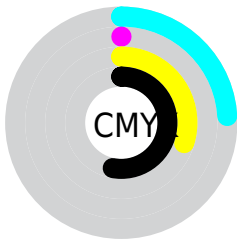
Blue (33%)



Red (33%)

Yellow (47%)

Blue (44%)

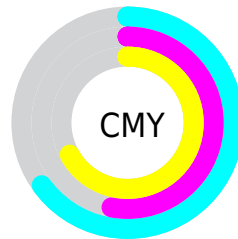


Cyan (24%)

Magenta (0%)

Yellow (30%)

Black (53%)



Cyan (65%)

Magenta (53%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 24.404, 137.456 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 47, 24.404, 137.456 by changing the saturation by 10% instead.

 47, 24.404,
137.456

 47, 24.404,
137.456

 100, 24.404,
137.456

 37, 24.404,
137.456

 67, 24.404,
137.456

 27, 24.404,
137.456

 77, 24.404,
137.456

 17, 24.404,
137.456

 87, 24.404,
137.456

 7, 24.404, 137.456

 97, 24.404,
137.456

 0, 24.404, 137.456

 47, 24.404,

 47, 24.404,

137.456

137.456

■ 46, 32.356,
136.835

■ 48, 16.327,
138.026

■ 45, 40.039,
136.180

■ 49, 8.227, 138.541

■ 45, 47.267,
135.531

■ 50, 0.181, 139.760

■ 51, 7.755, 319.336

■ 44, 53.796,
134.953

■ 53, 15.542,
319.680

■ 44, 59.326,
134.546

■ 54, 23.157,
319.971

■ 44, 63.541,
134.423

■ 55, 30.583,
320.220

■ 43, 66.714,
134.342

■ 57, 37.813,
320.432

■ 58, 44.845,

Harmonies

Complementary

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



47, 24.404, 137.456



40, 24.717, 320.258

Rectangle

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



47, 24.404, 137.456



47, 24.404, 187.456



47, 24.404, 317.456



47, 24.404, 7.456

Sweetspot

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



47, 24.405, 137.457



63, 8.998, 138.590



47, 17.191, 97.038



33, 6.305, 138.530



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



47, 24.405, 137.457



60, 36.089, 137.047



47, 20.924, 151.973



24, 4.465, 138.600



45, 68.061, 134.372



86, 116.167, 134.885

Inverse Universe

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



40, 24.717, 320.258



49, 36.634, 320.532



40, 21.144, 336.362



23, 4.488, 319.338



24, 68.288, 321.139



51, 115.947, 320.772

Previews

White Background



This preview shows how the CIELCh color 47, 24.404, 137.456 looks on a white 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

Black Background



This preview shows how the CIELCh color 47, 24.404, 137.456 looks on a black 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

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

CIELCh 47, 24.404, 137.456

Background



This preview shows how black text looks on a background with the CIELCh color 47, 24.404, 137.456.



This preview shows how white text looks on a background with the CIELCh color 47, 24.404, 137.456.

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

47, 24.404, 137.456

Protanopia

47, 18.636, 95.051

Deuteranopia

47, 16.278, 68.990



Tritanopia
47, 8.218, 239.470

Trichromacy



Original Color
47, 24.404, 137.456

Protanomaly
47, 19.390, 114.069

Deuteranomaly
47, 15.377, 101.423

Tritanomaly
47, 10.012, 170.039

Monochromacy



Original Color
47, 24.404, 137.456

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 9.004, 139.645

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 24.404, 137.456 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(90, 119, 83)` looks like.

```
.text, #text, p{  
    color:rgb(90, 119, 83)  
}
```

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(90, 119, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 119, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 24.404, 137.456 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(90, 119, 83) }
```

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

```
.border{ border-color:rgb(90, 119, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 119, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 119, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 119, 83);  
box-shadow:4px 4px 4px 4px rgb(90, 119,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 24.404, 137.456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 119, 83) }
```

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

```
.background{ background-color: rgb(90, 119,  
83) }
```

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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