

Converting Colors

CIELCh(42, 20.864, 135.290)

Have a look what the booklet for
CIELCh(42, 20.864, 135.290)
contains.

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Color

CIELCh(42, 20.865, 134.717)

Conversions

Conversions Part 1

Format	Color
Hex	53694A
RGB	83, 105, 74
RGB Percent	33%, 41%, 29%
CMY	0.6736, 0.5873, 0.7089
CMYK	0.21, 0.00, 0.29, 0.59
HSL	103°, 17%, 35%
HSV	103°, 29%, 41%
XYZ	9.9083, 12.5000, 8.4098
YIQ	94.8880, -3.1610, -14.3050

Conversions

Conversions Part 2

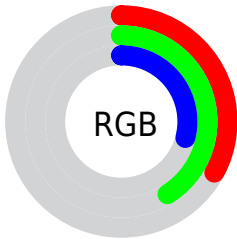
Format	Color
R_{YB}	74, 105, 96
Decimal	5466442
CIE _{Lab}	42.00, -14.68, 14.83
CIE _{LCh}	42, 20.865, 134.717
Yxy	12.5000, 0.3215, 0.4056
Android (android.graphics.Color)	4283656522 (0xFF53694A)
YUV	94.8880, -10.2978, -10.4258
Hunter-Lab	35.3553, -11.8472, 10.6458

Details

The CIELCh color $42, 20.865, 134.717$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $35, 21.286, 317.222$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 20.605, 134.700$, and $22, 20.970, 135.107$ is the 20% darker color. If you saturate the color by 10%, you get $41, 27.860, 134.192$, and if you desaturate by 10%, it is $43, 13.780, 135.213$.

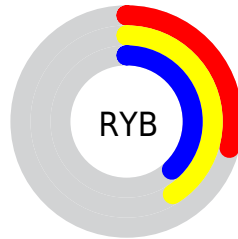
Distribution



Red (33%)

Green (41%)

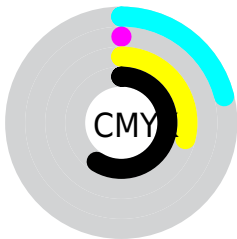
Blue (29%)



Red (29%)

Yellow (41%)

Blue (38%)

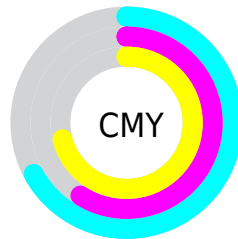


Cyan (21%)

Magenta (0%)

Yellow (29%)

Black (59%)



Cyan (67%)

Magenta (59%)

Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 20.865, 134.717 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 42, 20.865, 134.717 by changing the saturation by 10% instead.


 42, 20.865,
134.717


 42, 20.865,
134.717


 100, 20.865,
134.717


 32, 20.865,
134.717

 62, 20.865,
134.717


 22, 20.865,
134.717

 72, 20.865,
134.717

 12, 20.865,
134.717

 82, 20.865,
134.717

 2, 20.865, 134.717

 92, 20.865,
134.717

 0, 20.865, 134.717

 42, 20.865,

 42, 20.865,

134.717

■ 41, 27.860,
134.192

■ 41, 34.655,
133.657

■ 40, 41.109,
133.151

■ 40, 47.029,
132.737

■ 39, 52.168,
132.506

■ 39, 56.255,
132.567

■ 39, 59.641,
132.654

■ 39, 59.823,
132.645

134.717

■ 43, 13.780,
135.213

■ 44, 6.680, 135.671

■ 45, 0.379, 315.755

■ 46, 7.355, 316.400

■ 47, 14.220,
316.721

■ 48, 20.955,
316.998

■ 49, 27.545,
317.238

■ 50, 33.986,
317.445

■ 51, 40.273,

Harmonies

Complementary

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



42, 20.865, 134.717



35, 21.286, 317.222

Rectangle

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



42, 20.865, 134.717



42, 20.865, 184.717



42, 20.865, 314.717



42, 20.865, 4.717

Sweetspot

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



42, 20.866, 134.718



56, 7.916, 135.681



41, 13.777, 90.206



29, 5.462, 135.632



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



42, 20.866, 134.718



54, 30.852, 134.377



42, 19.863, 148.461



22, 4.020, 135.693



43, 64.741, 132.809



85, 112.408, 133.539

Inverse Universe

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



35, 21.286, 317.222



43, 31.608, 317.487



36, 19.950, 332.299



21, 4.050, 316.372



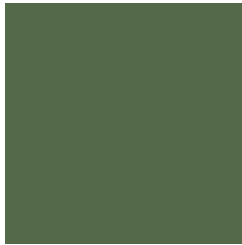
21, 67.214, 318.034



46, 116.005, 317.507

Previews

White Background



This preview shows how the CIELCh color 42, 20.865, 134.717 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 42, 20.865, 134.717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

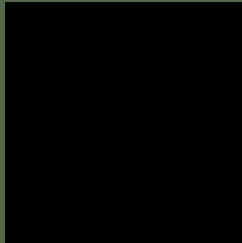
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 20.865, 134.717

Background



This preview shows how black text looks on a background with the CIELCh color 42, 20.865, 134.717.



This preview shows how white text looks on a background with the CIELCh color 42, 20.865, 134.717.

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

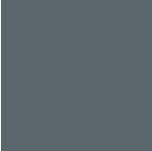
42, 20.865, 134.717

Protanopia

42, 17.065, 96.766

Deuteranopia

42, 15.100, 68.723



Tritanopia
42, 6.629, 246.024

Trichromacy



Original Color
42, 20.865, 134.717

Protanomaly
42, 17.348, 112.063

Deuteranomaly
42, 14.563, 99.039

Tritanomaly
42, 7.848, 165.892

Monochromacy



Original Color
42, 20.865, 134.717

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 8.041, 134.197

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 20.865, 134.717 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(83, 105, 74)` looks like.

```
.text, #text, p{  
    color:rgb(83, 105, 74)  
}
```

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(83, 105, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 105, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 20.865, 134.717 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(83, 105, 74) }
```

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

```
.border{ border-color:rgb(83, 105, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 105, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 105, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 105, 74);  
box-shadow:4px 4px 4px 4px rgb(83, 105,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 20.865, 134.717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 105, 74) }
```

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

```
.background{ background-color: rgb(83, 105,  
74) }
```

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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