

Converting Colors

CIELCh(42, 45.736, 21.606)

Have a look what the booklet for
CIELCh(42, 45.736, 21.606) contains.

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Color

CIELCh(42, 45.853, 21.240)

Conversions

Conversions Part 1

Format	Color
Hex	A7414A
RGB	167, 65, 74
RGB Percent	65%, 25%, 29%
CMY	0.3449, 0.7449, 0.7097
CMYK	0.00, 0.61, 0.56, 0.34
HSL	355°, 44%, 46%
HSV	355°, 61%, 66%
XYZ	19.0751, 12.5000, 7.8921
YIQ	96.5240, 57.9030, 24.4230

Conversions

Conversions Part 2

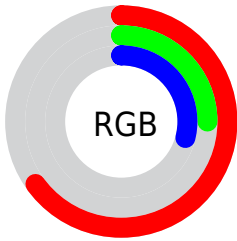
Format	Color
RYB	167, 65, 74
Decimal	10961226
CIELab	42.00, 42.74, 16.61
CIElCh	42, 45.853, 21.240
Yxy	12.5000, 0.4833, 0.3167
Android (android.graphics.Color)	4289151306 (0xFFA7414A)
YUV	96.5240, -11.1043, 61.8075
Hunter-Lab	35.3553, 34.4334, 11.5140

Details

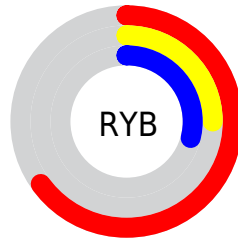
The CIELCh color **42, 45.853, 21.240** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **63, 31.714, 187.499**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 45.792, 20.813**, and **22, 45.804, 21.053** is the 20% darker color. If you saturate the color by 10%, you get **39, 53.664, 24.390**, and if you desaturate by 10%, it is **46, 37.785, 18.745**.

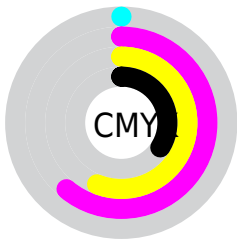
Distribution



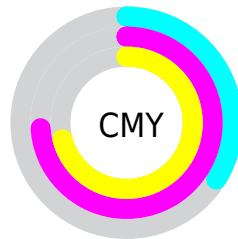
- Red (65%)
- Green (25%)
- Blue (29%)



- Red (65%)
- Yellow (25%)
- Blue (29%)



- Cyan (0%)
- Magenta (61%)
- Yellow (56%)
- Black (34%)



- Cyan (34%)
- Magenta (74%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 45.853, 21.240 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, 45.853, 21.240 by changing the saturation by 10% instead.

 42, 45.853, 21.240

 42, 45.853, 21.240

 100, 45.853,
21.240

 32, 45.853, 21.240

 62, 45.853, 21.240

 22, 45.853, 21.240

 72, 45.853, 21.240

 12, 45.853, 21.240

 82, 45.853, 21.240

 2, 45.853, 21.240

 92, 45.853, 21.240

 0, 45.853, 21.240

 42, 45.853, 21.240

 42, 45.853, 21.240

 39, 53.664, 24.390

 46, 37.785, 18.745

 37, 60.959, 28.224

 50, 29.727, 16.780

35, 67.469, 32.554

54, 21.883, 15.228

35, 72.463, 36.100

58, 14.389, 13.983

63, 7.314, 12.953

68, 0.681, 11.505

73, 5.523, 191.597

78, 11.323,
190.973

83, 16.755,
190.461

Harmonies

Complementary

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



42, 45.853, 21.240



63, 31.714, 187.499

Rectangle

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



42, 45.853, 21.240



42, 45.853, 71.240



42, 45.853, 201.240



42, 45.853, 251.240

Sweetspot

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



42, 45.851, 21.243



76, 15.068, 13.684



44, 64.605, 324.329



39, 10.650, 13.992



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



42, 45.851, 21.243



50, 68.127, 25.566



51, 38.584, 58.176



33, 3.743, 12.784



30, 65.912, 35.642



1, 6.622, 13.118

Inverse Universe

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



42, 45.851, 21.243



50, 68.127, 25.566



51, 28.592, 255.505



33, 3.743, 12.784



30, 65.912, 35.642



1, 6.622, 13.118

Previews

White Background



This preview shows how the CIELCh color 42, 45.853, 21.240 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 CIE LCh color 42, 45.853, 21.240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

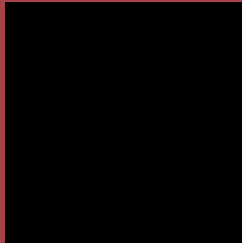
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 45.853, 21.240

Background



This preview shows how black text looks on a background with the CIELCh color 42, 45.853, 21.240.



This preview shows how white text looks on a background with the CIELCh color 42, 45.853, 21.240.

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, 45.853, 21.240

Protanopia

42, 6.241, 93.193

Deuteranopia

42, 19.655, 74.422



Tritanopia
42, 46.130, 24.603

Trichromacy



Original Color
42, 45.853, 21.240

Protanomaly
41, 18.200, 27.521

Deuteranomaly
42, 25.882, 41.060

Tritanomaly
42, 45.961, 23.896

Monochromacy



Original Color
42, 45.853, 21.240

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 16.453, 13.472

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 45.853, 21.240 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(167, 65, 74)` looks like.

```
.text, #text, p{  
    color:rgb(167, 65, 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(167, 65, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 65, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 45.853, 21.240 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(167, 65, 74) }
```

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

```
.border{ border-color:rgb(167, 65, 74) }
```

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

Here you see how a box with a 4 pixel rgb(167, 65, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 65, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 65, 74);  
box-shadow:4px 4px 4px 4px rgb(167, 65,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 45.853, 21.240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 65, 74) }
```

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

```
.background{ background-color: rgb(167, 65,  
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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