

Converting Colors

CIELCh(21, 23.442, 337.010)

Have a look what the booklet for
CIELCh(21, 23.442, 337.010)
contains.

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Color

CIELCh(21, 23.321, 337.543)

Conversions

Conversions Part 1

Format	Color
Hex	4B2640
RGB	75, 38, 64
RGB Percent	29%, 15%, 25%
CMY	0.7061, 0.8512, 0.7493
CMYK	0.00, 0.49, 0.15, 0.71
HSL	318°, 33%, 22%
HSV	318°, 49%, 29%
XYZ	4.5115, 3.2451, 5.2300
YIQ	52.0270, 13.7060, 15.9300

Conversions

Conversions Part 2

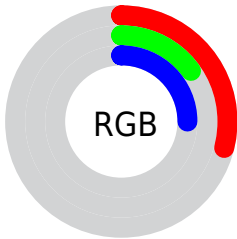
Format	Color
RYB	75, 38, 64
Decimal	4924992
CIELab	21.00, 21.55, -8.91
CIELCh	21, 23.321, 337.543
Yxy	3.2451, 0.3474, 0.2499
Android (android.graphics.Color)	4283115072 (0xFF4B2640)
YUV	52.0270, 5.9027, 20.1473
Hunter-Lab	18.0142, 13.1785, -4.6034

Details

The CIELCh color **21, 23.321, 337.543** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **29, 23.089, 150.170**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 23.579, 337.320**, and **3, 17.625, 342.193** is the 20% darker color. If you saturate the color by 10%, you get **19, 27.546, 338.377**, and if you desaturate by 10%, it is **23, 18.768, 336.773**.

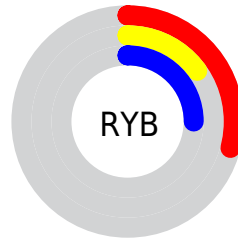
Distribution



Red (29%)

Green (15%)

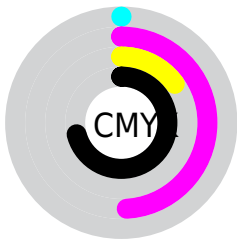
Blue (25%)



Red (29%)

Yellow (15%)

Blue (25%)

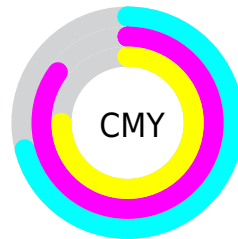


Cyan (0%)

Magenta (49%)

Yellow (15%)

Black (71%)



Cyan (71%)


Magenta (85%)


Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 23.321, 337.543 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 21, 23.321, 337.543 by changing the saturation by 10% instead.

 21, 23.321,
337.543


 21, 23.321,
337.543

 100, 23.321,
337.543


 11, 23.321,
337.543


 41, 23.321,
337.543


 1, 23.321, 337.543

 51, 23.321,
337.543

 0, 23.321, 337.543

 61, 23.321,
337.543

 71, 23.321,
337.543

 81, 23.321,
337.543

 91, 23.321,

337.543

■ 21, 23.321,
337.543

■ 21, 23.321,
337.543

■ 19, 27.546,
338.377

■ 23, 18.768,
336.773

■ 18, 31.272,
339.294

■ 25, 14.035,
336.051

■ 16, 34.309,
340.324

■ 27, 9.232, 335.368

■ 15, 36.534,
341.497

■ 30, 4.439, 334.709

■ 14, 38.713,
342.621

■ 32, 0.293, 154.711

■ 14, 38.861,
342.688

■ 37, 9.453, 153.039

■ 39, 13.854,
152.518

■ 42, 18.129,
152.027

Harmonies

Complementary

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



21, 23.321, 337.543



29, 23.089, 150.170

Rectangle

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



21, 23.321, 337.543



21, 23.321, 27.543



21, 23.321, 157.543



21, 23.321, 207.543

Sweetspot

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



21, 23.320, 337.543



37, 8.830, 335.115



18, 25.848, 304.570



17, 5.946, 335.182



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



21, 23.320, 337.543



26, 33.725, 338.537



20, 18.636, 7.761



14, 2.689, 334.663



21, 47.684, 343.518



51, 85.165, 344.988

Inverse Universe

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



21, 23.320, 337.543



26, 33.725, 338.537



29, 15.555, 177.576



14, 2.689, 334.663



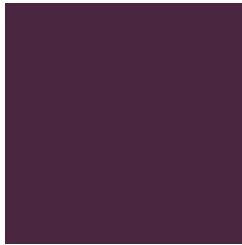
21, 47.684, 343.518



51, 85.165, 344.988

Previews

White Background



This preview shows how the CIE LCh color 21, 23.321, 337.543 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 21, 23.321, 337.543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

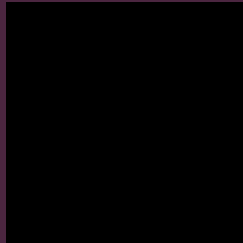
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 23.321, 337.543

Background



This preview shows how black text looks on a background with the CIELCh color 21, 23.321, 337.543.



This preview shows how white text looks on a background with the CIELCh color 21, 23.321, 337.543.

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

21, 23.321, 337.543

Protanopia

21, 15.616, 285.276

Deuteranopia

21, 8.130, 295.040



Tritanopia
21, 15.450, 15.709

Trichromacy



Original Color
21, 23.321, 337.543

Protanomaly
21, 16.744, 306.392

Deuteranomaly
21, 13.054, 320.568

Tritanomaly
21, 17.082, 358.439

Monochromacy



Original Color
21, 23.321, 337.543

Achromatopsia
22, 0.004, 296.813

Achromatomaly
21, 8.523, 335.905

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 23.321, 337.543 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(75, 38, 64)` looks like.

```
.text, #text, p{  
    color:rgb(75, 38, 64)  
}
```

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(75, 38, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 38, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 23.321, 337.543 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(75, 38, 64) }
```

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

```
.border{ border-color:rgb(75, 38, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 38, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 38, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 38, 64);  
box-shadow:4px 4px 4px 4px rgb(75, 38, 64)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 23.321, 337.543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 38, 64) }
```

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

```
.background{ background-color: rgb(75, 38,  
64) }
```

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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