

Converting Colors

CIELCh(21, 30.441, 326.933)

Have a look what the booklet for
CIELCh(21, 30.441, 326.933)
contains.

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Color

CIELCh(21, 30.574, 326.946)

Conversions

Conversions Part 1

Format	Color
Hex	4B234B
RGB	75, 35, 75
RGB Percent	29%, 14%, 29%
CMY	0.7045, 0.8614, 0.7045
CMYK	0.00, 0.53, 0.00, 0.70
HSL	300°, 36%, 22%
HSV	300°, 53%, 30%
XYZ	4.8229, 3.2451, 7.0918
YIQ	51.5200, 11.0000, 20.9200

Conversions

Conversions Part 2

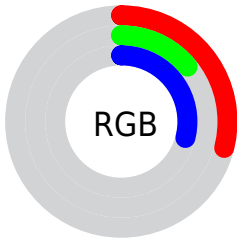
Format	Color
RYB	75, 35, 75
Decimal	4924235
CIELab	21.00, 25.63, -16.68
CIELCh	21, 30.574, 326.946
Yxy	3.2451, 0.3181, 0.2141
Android (android.graphics.Color)	4283114315 (0xFF4B234B)
YUV	51.5200, 11.5756, 20.5920
Hunter-Lab	18.0142, 16.2644, -10.7312

Details

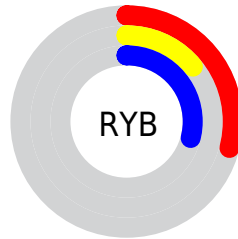
The CIELCh color **21, 30.574, 326.946** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **28, 30.710, 140.605**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 30.895, 326.896**, and **4, 22.740, 328.392** is the 20% darker color. If you saturate the color by 10%, you get **19, 35.499, 327.327**, and if you desaturate by 10%, it is **23, 25.175, 326.519**.

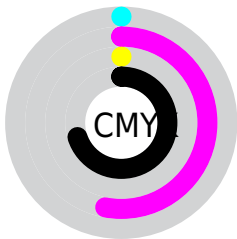
Distribution



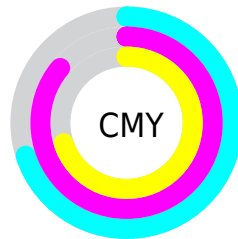
- Red (29%)
- Green (14%)
- Blue (29%)



- Red (29%)
- Yellow (14%)
- Blue (29%)



- Cyan (0%)
- Magenta (53%)
- Yellow (0%)
- Black (70%)



- Cyan (70%)
- Magenta (86%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 30.574, 326.946 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, 30.574, 326.946 by changing the saturation by 10% instead.

■ 21, 30.574,
326.946

■ 21, 30.574,
326.946

■ 100, 30.574,
326.946

■ 11, 30.574,
326.946

■ 41, 30.574,
326.946

■ 1, 30.574, 326.946

■ 51, 30.574,
326.946

■ 0, 30.574, 326.946

■ 61, 30.574,
326.946

■ 71, 30.574,
326.946

■ 81, 30.574,
326.946

■ 91, 30.574,

326.946

■ 21, 30.574,
326.946

■ 21, 30.574,
326.946

■ 19, 35.499,
327.327

■ 23, 25.175,
326.519

■ 18, 39.767,
327.650

■ 25, 19.474,
326.058

■ 17, 43.205,
327.905

■ 27, 13.613,
325.575

■ 16, 45.927,
328.103

■ 29, 7.701, 325.077

■ 16, 47.856,
328.242

■ 31, 1.818, 324.531

■ 34, 3.980, 144.148

■ 36, 9.657, 143.655

■ 38, 15.193,
143.193

■ 41, 20.575,
142.752

Harmonies

Complementary

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



21, 30.574, 326.946



28, 30.710, 140.605

Rectangle

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



21, 30.574, 326.946



21, 30.574, 16.946



21, 30.574, 146.946



21, 30.574, 196.946

Sweetspot

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



21, 30.573, 326.946



37, 11.590, 325.252



16, 27.972, 297.024



17, 7.721, 325.296



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, 30.573, 326.946



26, 43.911, 327.437



20, 22.183, 348.687



14, 3.312, 324.850



23, 58.960, 328.243



54, 106.695, 328.243

Inverse Universe

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



21, 30.573, 326.946



26, 43.911, 327.437



29, 21.039, 158.690



14, 3.312, 324.850



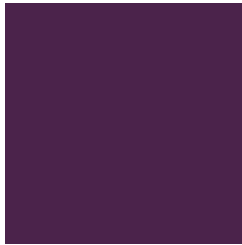
23, 58.960, 328.243



54, 106.695, 328.243

Previews

White Background



This preview shows how the CIE LCh color 21, 30.574, 326.946 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 CIELCh color 21, 30.574, 326.946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

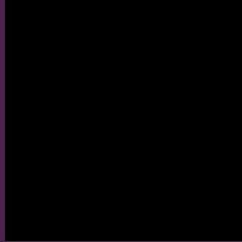
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 30.574, 326.946

Background



This preview shows how black text looks on a background with the CIELCh color 21, 30.574, 326.946.



This preview shows how white text looks on a background with the CIELCh color 21, 30.574, 326.946.

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, 30.574, 326.946

Protanopia

21, 25.764, 285.232

Deuteranopia

21, 15.018, 281.863



Tritanopia
21, 14.406, 14.865

Trichromacy



Original Color
21, 30.574, 326.946

Protanomaly
21, 25.831, 299.696

Deuteranomaly
21, 20.121, 305.732

Tritanomaly
21, 18.665, 346.801

Monochromacy



Original Color
21, 30.574, 326.946

Achromatopsia
22, 0.004, 296.813

Achromatomaly
21, 11.365, 325.535

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 30.574, 326.946 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, 35, 75)` looks like.

```
.text, #text, p{  
    color:rgb(75, 35, 75)  
}
```

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, 35, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 35, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 30.574, 326.946 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, 35, 75) }
```

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

```
.border{ border-color:rgb(75, 35, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 35, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 35, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 35, 75);  
box-shadow:4px 4px 4px 4px rgb(75, 35, 75)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 30.574, 326.946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 35, 75) }
```

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

```
.background{ background-color: rgb(75, 35,  
75) }
```

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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