

Converting Colors

CIELCh(21, 21.295, 326.295)

Have a look what the booklet for
CIELCh(21, 21.295, 326.295)
contains.

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Color

CIELCh(21, 21.367, 326.328)

Conversions

Conversions Part 1

Format	Color
Hex	442944
RGB	68, 41, 68
RGB Percent	27%, 16%, 27%
CMY	0.7329, 0.8388, 0.7329
CMYK	0.00, 0.40, 0.00, 0.73
HSL	300°, 25%, 21%
HSV	300°, 40%, 27%
XYZ	4.2354, 3.2451, 5.8901
YIQ	52.1510, 7.4250, 14.1210

Conversions

Conversions Part 2

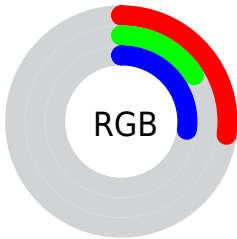
Format	Color
R_{YB}	68, 41, 68
Decimal	4467012
CIE _{Lab}	21.00, 17.78, -11.85
CIE _{LCh}	21, 21.367, 326.328
Yxy	3.2451, 0.3168, 0.2427
Android (android.graphics.Color)	4282657092 (0xFF442944)
YUV	52.1510, 7.8136, 13.8996
Hunter-Lab	18.0142, 10.4432, -6.7760

Details

The CIELCh color **21, 21.367, 326.328** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **26, 21.386, 141.888**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 21.244, 326.691**, and **3, 17.093, 326.039** is the 20% darker color. If you saturate the color by 10%, you get **19, 26.463, 326.763**, and if you desaturate by 10%, it is **23, 16.051, 325.865**.

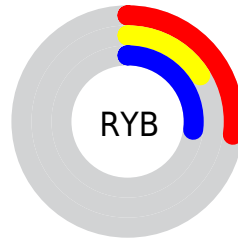
Distribution



 Red (27%)

 Green (16%)

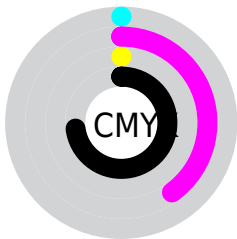
 Blue (27%)



 Red (27%)

 Yellow (16%)

 Blue (27%)

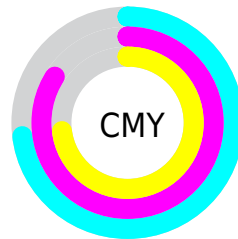


 Cyan (0%)


 Magenta (40%)

 Yellow (0%)

 Black (73%)



 Cyan (73%)


 Magenta (84%)


 Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 21.367, 326.328 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, 21.367, 326.328 by changing the saturation by 10% instead.

 21, 21.367,
326.328


 21, 21.367,
326.328

 100, 21.367,
326.328


 11, 21.367,
326.328


 41, 21.367,
326.328


 1, 21.367, 326.328

 51, 21.367,
326.328

 0, 21.367, 326.328

 61, 21.367,
326.328

 71, 21.367,
326.328

 81, 21.367,
326.328

 91, 21.367,

326.328

■ 21, 21.367,
326.328

■ 21, 21.367,
326.328

■ 19, 26.463,
326.763

■ 23, 16.051,
325.865

■ 18, 31.202,
327.159

■ 25, 10.634,
325.384

■ 16, 35.421,
327.504

■ 27, 5.201, 324.888

■ 15, 38.958,
327.786

■ 29, 0.184, 145.080

■ 14, 41.778,
328.008

■ 31, 5.480, 143.976

■ 14, 44.628,
328.228

■ 33, 10.660,
143.504

■ 36, 15.707,
143.055

■ 14, 44.732,
328.236

■ 38, 20.614,
142.628

■ 40, 25.380,
142.223

Harmonies

Complementary

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



21, 21.367, 326.328



26, 21.386, 141.888

Rectangle

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



21, 21.367, 326.328



21, 21.367, 16.328



21, 21.367, 146.328



21, 21.367, 196.328

Sweetspot

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



21, 21.366, 326.328



35, 8.108, 325.031



18, 18.684, 294.689



17, 5.426, 325.053



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



21, 21.366, 326.328



26, 32.005, 326.779



20, 15.344, 347.023



12, 2.930, 324.828



22, 56.885, 328.236



53, 104.918, 328.236

Inverse Universe

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



21, 21.366, 326.328



26, 32.005, 326.779



26, 14.705, 160.293



12, 2.930, 324.828



22, 56.885, 328.236



53, 104.918, 328.236

Previews

White Background



This preview shows how the CIELCh color 21, 21.367, 326.328 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, 21.367, 326.328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

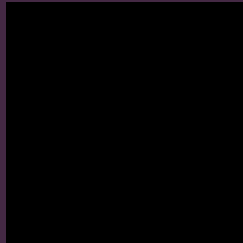
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 21.367, 326.328

Background



This preview shows how black text looks on a background with the CIELCh color 21, 21.367, 326.328.



This preview shows how white text looks on a background with the CIELCh color 21, 21.367, 326.328.

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, 21.367, 326.328

Protanopia

21, 17.021, 283.977

Deuteranopia

21, 10.852, 286.158



Tritanopia
21, 10.463, 7.022

Trichromacy



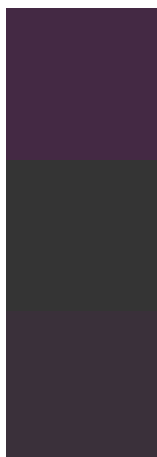
Original Color
21, 21.367, 326.328

Protanomaly
21, 17.064, 299.257

Deuteranomaly
21, 14.012, 306.962

Tritanomaly
21, 13.268, 345.247

Monochromacy



Original Color
21, 21.367, 326.328

Achromatopsia
22, 0.004, 296.813

Achromatomaly
21, 8.151, 325.239

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 21.367, 326.328 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(68, 41, 68)` looks like.

```
.text, #text, p{  
    color:rgb(68, 41, 68)  
}
```

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(68, 41, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 41, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 21.367, 326.328 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(68, 41, 68) }
```

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

```
.border{ border-color:rgb(68, 41, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 41, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 41, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 41, 68);  
box-shadow:4px 4px 4px 4px rgb(68, 41, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 21.367, 326.328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 41, 68) }
```

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

```
.background{ background-color: rgb(68, 41,  
68) }
```

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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