

Converting Colors

CIELCh(20, 22.465, 325.098)

Have a look what the booklet for
CIELCh(20, 22.465, 325.098)
contains.

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Color

CIELCh(20, 21.988, 325.375)

Conversions

Conversions Part 1

Format	Color
Hex	422743
RGB	66, 39, 67
RGB Percent	26%, 15%, 26%
CMY	0.7421, 0.8479, 0.7382
CMYK	0.02, 0.42, 0.00, 0.74
HSL	298°, 27%, 21%
HSV	298°, 42%, 26%
XYZ	3.9552, 2.9891, 5.6420
YIQ	50.2650, 7.1040, 14.4320

Conversions

Conversions Part 2

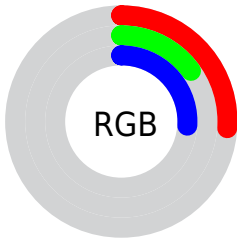
Format	Color
R_{YB}	66, 39, 67
Decimal	4335427
CIE Lab	20.00, 18.09, -12.49
CIE LCh	20, 21.988, 325.375
Yxy	2.9891, 0.3142, 0.2375
Android (android.graphics.Color)	4282525507 (0xFF422743)
YUV	50.2650, 8.2504, 13.7996
Hunter-Lab	17.2889, 10.5802, -7.2463

Details

The CIELCh color **20, 21.988, 325.375** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **25, 21.960, 140.898**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 21.792, 325.786**, and **3, 16.098, 326.059** is the 20% darker color. If you saturate the color by 10%, you get **18, 26.932, 325.779**, and if you desaturate by 10%, it is **22, 16.821, 324.940**.

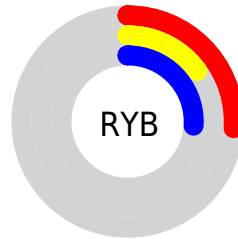
Distribution



 Red (26%)

 Green (15%)

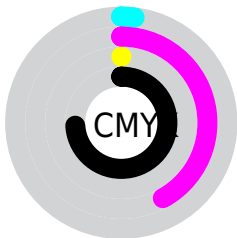
 Blue (26%)




 Red (26%)

 Yellow (15%)

 Blue (26%)

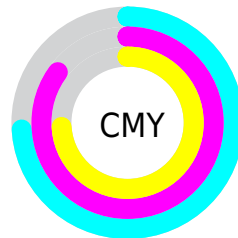



 Cyan (2%)

 Magenta (42%)

 Yellow (0%)

 Black (74%)



 Cyan (74%)


 Magenta (85%)


 Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 21.988, 325.375 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 20, 21.988, 325.375 by changing the saturation by 10% instead.

 20, 21.988,
325.375


 20, 21.988,
325.375


 100, 21.988,
325.375


 10, 21.988,
325.375


 40, 21.988,
325.375

 0, 21.988, 325.375

 50, 21.988,
325.375

 60, 21.988,
325.375

 70, 21.988,
325.375

 80, 21.988,
325.375

 90, 21.988,

325.375

■ 20, 21.988,
325.375

■ 20, 21.988,
325.375

■ 18, 26.932,
325.779

■ 22, 16.821,
324.940

■ 17, 31.517,
326.136

■ 24, 11.549,
324.484

■ 15, 35.582,
326.434

■ 26, 6.255, 324.014

■ 28, 1.002, 323.458

■ 14, 38.964,
326.658

■ 30, 4.169, 143.146

■ 13, 41.792,
326.825

■ 32, 9.231, 142.691

■ 13, 44.213,
326.977

■ 34, 14.168,
142.263

■ 37, 18.973,
141.856

■ 39, 23.644,
141.471

Harmonies

Complementary

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



20, 21.988, 325.375



25, 21.960, 140.898

Rectangle

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



20, 21.988, 325.375



20, 21.988, 15.375



20, 21.988, 145.375



20, 21.988, 195.375

Sweetspot

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



20, 21.987, 325.375



33, 8.486, 324.091



17, 18.458, 293.090



15, 5.848, 324.143



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



20, 21.987, 325.375



25, 32.222, 325.785



20, 16.427, 344.423



12, 2.897, 323.849



21, 56.980, 326.906



52, 105.111, 326.804

Inverse Universe

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



19, 14.211, 20.158



24, 21.628, 21.714



26, 15.887, 157.576



12, 1.689, 16.855



18, 47.591, 33.843



47, 93.489, 38.861

Previews

White Background



This preview shows how the CIELCh color 20, 21.988, 325.375 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 20, 21.988, 325.375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

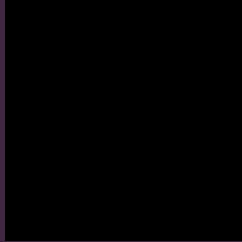
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 21.988, 325.375

Background



This preview shows how black text looks on a background with the CIELCh color 20, 21.988, 325.375.



This preview shows how white text looks on a background with the CIELCh color 20, 21.988, 325.375.

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

20, 21.988, 325.375

Protanopia

20, 17.780, 284.764

Deuteranopia

20, 11.628, 284.894



Tritanopia
20, 10.055, 6.263

Trichromacy



Original Color
20, 21.988, 325.375

Protanomaly
20, 17.839, 299.239

Deuteranomaly
20, 14.667, 304.812

Tritanomaly
20, 13.739, 343.019

Monochromacy



Original Color
20, 21.988, 325.375

Achromatopsia
21, 0.004, 296.813

Achromatomaly
20, 8.198, 325.262

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 21.988, 325.375 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(66, 39, 67)` looks like.

```
.text, #text, p{  
    color:rgb(66, 39, 67)  
}
```

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(66, 39, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 39, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 21.988, 325.375 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(66, 39, 67) }
```

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

```
.border{ border-color:rgb(66, 39, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 39, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 39, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 39, 67);  
box-shadow:4px 4px 4px 4px rgb(66, 39, 67)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 21.988, 325.375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 39, 67) }
```

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

```
.background{ background-color: rgb(66, 39,  
67) }
```

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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