

Converting Colors

CIELCh(20, 27.242, 326.785)

Have a look what the booklet for
CIELCh(20, 27.242, 326.785)
contains.

CIELCh(20, 27.242, 326.785)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(20, 27.242, 326.785)

Conversions

Conversions Part 1

Format	Color
Hex	462346
RGB	70, 35, 70
RGB Percent	27%, 14%, 27%
CMY	0.7239, 0.8613, 0.7239
CMYK	0.00, 0.50, 0.00, 0.72
HSL	300°, 33%, 21%
HSV	300°, 50%, 28%
XYZ	4.2857, 2.9891, 6.2116
YIQ	49.4550, 9.6250, 18.3050

Conversions

Conversions Part 2

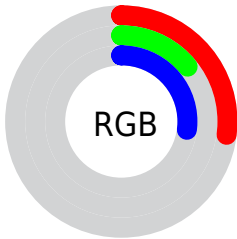
Format	Color
R_{YB}	70, 35, 70
Decimal	4596550
CIE Lab	20.00, 22.79, -14.92
CIE LCh	20, 27.242, 326.785
Yxy	2.9891, 0.3178, 0.2216
Android (android.graphics.Color)	4282786630 (0xFF462346)
YUV	49.4550, 10.1287, 18.0180
Hunter-Lab	17.2889, 13.9925, -9.1996

Details

The CIELCh color **20, 27.242, 326.785** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **27, 27.329, 140.980**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 26.908, 326.822**, and **3, 18.479, 327.637** is the 20% darker color. If you saturate the color by 10%, you get **18, 32.093, 327.181**, and if you desaturate by 10%, it is **22, 22.012, 326.349**.

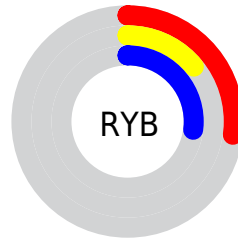
Distribution



Red (27%)

Green (14%)

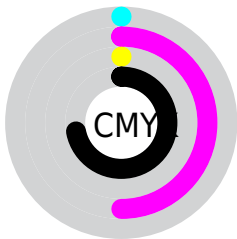
Blue (27%)



Red (27%)

Yellow (14%)

Blue (27%)

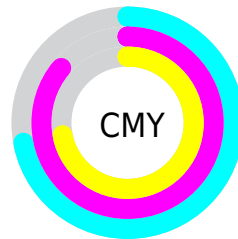


Cyan (0%)

Magenta (50%)

Yellow (0%)

Black (72%)



Cyan (72%)


Magenta (86%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 27.242, 326.785 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, 27.242, 326.785 by changing the saturation by 10% instead.

 20, 27.242,
326.785


 20, 27.242,
326.785


 100, 27.242,
326.785


 10, 27.242,
326.785


 40, 27.242,
326.785

 0, 27.242, 326.785

 50, 27.242,
326.785

 60, 27.242,
326.785

 70, 27.242,
326.785

 80, 27.242,
326.785

 90, 27.242,

326.785

■ 20, 27.242,
326.785

■ 20, 27.242,
326.785

■ 18, 32.093,
327.181

■ 22, 22.012,
326.349

■ 17, 36.400,
327.525

■ 24, 16.554,
325.883

■ 16, 39.995,
327.807

■ 26, 10.987,
325.400

■ 15, 42.824,
328.024

■ 28, 5.403, 324.901

■ 14, 45.649,
328.238

■ 30, 0.133, 145.358

■ 32, 5.578, 143.983

■ 14, 45.722,
328.243

■ 34, 10.902,
143.509

■ 37, 16.089,
143.058

■ 39, 21.132,
142.629

Harmonies

Complementary

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



20, 27.242, 326.785



27, 27.329, 140.980

Rectangle

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



20, 27.242, 326.785



20, 27.242, 16.785



20, 27.242, 146.785



20, 27.242, 196.785

Sweetspot

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



20, 27.241, 326.785



35, 10.387, 325.195



16, 24.579, 296.338



16, 6.985, 325.241



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



20, 27.241, 326.785



25, 39.896, 327.279



19, 19.711, 348.193



13, 3.122, 324.843



22, 57.920, 328.244



54, 105.798, 328.244

Inverse Universe

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



20, 27.241, 326.785



25, 39.896, 327.279



27, 18.736, 159.159



13, 3.122, 324.843



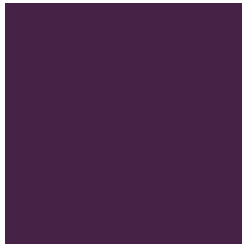
22, 57.920, 328.244



54, 105.798, 328.244

Previews

White Background



This preview shows how the CIE LCh color 20, 27.242, 326.785 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, 27.242, 326.785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

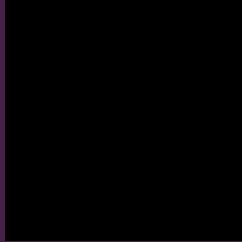
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 27.242, 326.785

Background



This preview shows how black text looks on a background with the CIELCh color 20, 27.242, 326.785.



This preview shows how white text looks on a background with the CIELCh color 20, 27.242, 326.785.

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, 27.242, 326.785

Protanopia

20, 22.582, 284.257

Deuteranopia

20, 13.673, 285.096



Tritanopia
20, 12.469, 13.121

Trichromacy



Original Color
20, 27.242, 326.785

Protanomaly
20, 23.332, 299.907

Deuteranomaly
20, 18.281, 306.914

Tritanomaly
20, 15.910, 347.184

Monochromacy



Original Color
20, 27.242, 326.785

Achromatopsia
21, 0.004, 296.813

Achromatomaly
20, 9.818, 325.417

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 27.242, 326.785 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(70, 35, 70)` looks like.

```
.text, #text, p{  
    color:rgb(70, 35, 70)  
}
```

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(70, 35, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 35, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 27.242, 326.785 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(70, 35, 70) }
```

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

```
.border{ border-color:rgb(70, 35, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 35, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 35, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 35, 70);  
box-shadow:4px 4px 4px 4px rgb(70, 35, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 27.242, 326.785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 35, 70) }
```

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

```
.background{ background-color: rgb(70, 35,  
70) }
```

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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