

Converting Colors

CIELCh(20, 32.384, 320.122)

Have a look what the booklet for
CIELCh(20, 32.384, 320.122)
contains.

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Color

CIELCh(20, 32.673, 320.286)

Conversions

Conversions Part 1

Format	Color
Hex	45224F
RGB	69, 34, 79
RGB Percent	27%, 13%, 31%
CMY	0.7288, 0.8661, 0.6896
CMYK	0.13, 0.57, 0.00, 0.69
HSL	287°, 40%, 22%
HSV	287°, 57%, 31%
XYZ	4.4572, 2.9891, 7.7669
YIQ	49.5950, 6.4150, 21.4150

Conversions

Conversions Part 2

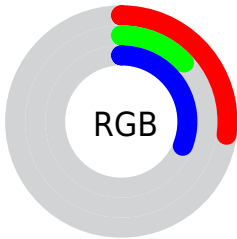
Format	Color
RYB	69, 34, 79
Decimal	4530767
CIELab	20.00, 25.13, -20.88
CIELCh	20, 32.673, 320.286
Yxy	2.9891, 0.2930, 0.1965
Android (android.graphics.Color)	4282720847 (0xFF45224F)
YUV	49.5950, 14.4967, 17.0182
Hunter-Lab	17.2889, 15.7627, -14.5335

Details

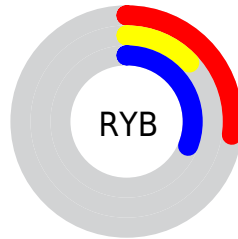
The CIELCh color **20, 32.673, 320.286** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **30, 31.925, 135.228**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 32.578, 320.780**, and **3, 24.077, 319.429** is the 20% darker color. If you saturate the color by 10%, you get **18, 37.801, 320.527**, and if you desaturate by 10%, it is **22, 27.144, 319.968**.

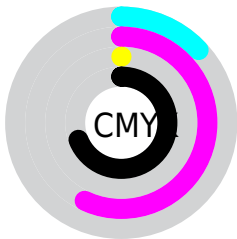
Distribution



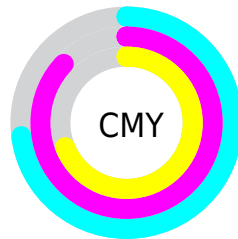
- Red (27%)
- Green (13%)
- Blue (31%)



- Red (27%)
- Yellow (13%)
- Blue (31%)



- Cyan (13%)
- Magenta (57%)
- Yellow (0%)
- Black (69%)





- Cyan (73%)
- Magenta (87%)
- Yellow (69%)
- Black (69%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 32.673, 320.286 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, 32.673, 320.286 by changing the saturation by 10% instead.

 20, 32.673,
320.286


 20, 32.673,
320.286


 100, 32.673,
320.286


 10, 32.673,
320.286


 40, 32.673,
320.286


 0, 32.673, 320.286

 50, 32.673,
320.286

 60, 32.673,
320.286

 70, 32.673,
320.286

 80, 32.673,
320.286

 90, 32.673,

320.286

■ 20, 32.673,
320.286

■ 20, 32.673,
320.286

■ 18, 37.801,
320.527

■ 22, 27.144,
319.968

■ 16, 42.318,
320.658

■ 24, 21.392,
319.600

■ 15, 45.995,
320.639

■ 27, 15.547,
319.206

■ 14, 49.315,
320.587

■ 29, 9.702, 318.801

■ 13, 50.444,
320.598

■ 32, 3.919, 318.387

■ 34, 1.763, 138.086

■ 37, 7.319, 137.672

■ 40, 12.737,
137.318

■ 42, 18.013,
136.990

Harmonies

Complementary

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



20, 32.673, 320.286



30, 31.925, 135.228

Rectangle

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



20, 32.673, 320.286



20, 32.673, 10.286



20, 32.673, 140.286



20, 32.673, 190.286

Sweetspot

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



20, 32.672, 320.286



38, 12.067, 318.831



19, 23.699, 287.274



18, 7.975, 318.866



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



20, 32.672, 320.286



24, 47.037, 320.588



21, 28.294, 336.802



15, 3.276, 318.468



19, 61.247, 320.330



46, 110.084, 319.824

Inverse Universe

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



20, 22.593, 8.864



24, 33.209, 12.110



30, 28.223, 148.133



15, 2.109, 2.240



20, 46.443, 24.449



49, 85.929, 28.631

Previews

White Background



This preview shows how the CIELCh color 20, 32.673, 320.286 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, 32.673, 320.286 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, 32.673, 320.286

Background



This preview shows how black text looks on a background with the CIELCh color 20, 32.673, 320.286.



This preview shows how white text looks on a background with the CIELCh color 20, 32.673, 320.286.

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, 32.673, 320.286

Protanopia

20, 30.043, 284.700

Deuteranopia

20, 18.712, 279.298



Tritanopia
20, 10.455, 10.754

Trichromacy



Original Color
20, 32.673, 320.286

Protanomaly
20, 29.942, 295.591

Deuteranomaly
20, 22.560, 298.034

Tritanomaly
20, 16.783, 337.172

Monochromacy



Original Color
20, 32.673, 320.286

Achromatopsia
21, 0.004, 296.813

Achromatomaly
20, 12.937, 318.792

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 32.673, 320.286 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(69, 34, 79)` looks like.

```
.text, #text, p{  
    color:rgb(69, 34, 79)  
}
```

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(69, 34, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 34, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 32.673, 320.286 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(69, 34, 79) }
```

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

```
.border{ border-color:rgb(69, 34, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 34, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 34, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 34, 79);  
box-shadow:4px 4px 4px 4px rgb(69, 34, 79)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 32.673, 320.286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 34, 79) }
```

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

```
.background{ background-color: rgb(69, 34,  
79) }
```

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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