

Converting Colors

CIELCh(20, 28.854, 324.537)

Have a look what the booklet for
CIELCh(20, 28.854, 324.537)
contains.

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Color

CIELCh(20, 28.812, 324.515)

Conversions

Conversions Part 1

Format	Color
Hex	462349
RGB	70, 35, 73
RGB Percent	27%, 14%, 29%
CMY	0.7253, 0.8626, 0.7136
CMYK	0.04, 0.52, 0.00, 0.71
HSL	295°, 35%, 21%
HSV	295°, 52%, 29%
XYZ	4.3343, 2.9891, 6.6581
YIQ	49.7970, 8.6620, 19.2380

Conversions

Conversions Part 2

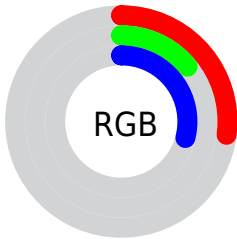
Format	Color
RYB	70, 35, 73
Decimal	4596553
CIELab	20.00, 23.46, -16.73
CIElCh	20, 28.812, 324.515
Yxy	2.9891, 0.3100, 0.2138
Android (android.graphics.Color)	4282786633 (0xFF462349)
YUV	49.7970, 11.4391, 17.7180
Hunter-Lab	17.2889, 14.4937, -10.7309

Details

The CIELCh color **20, 28.812, 324.515** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **28, 28.709, 139.053**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 28.849, 324.050**, and **3, 20.488, 323.813** is the 20% darker color. If you saturate the color by 10%, you get **18, 33.732, 324.845**, and if you desaturate by 10%, it is **22, 23.511, 324.133**.

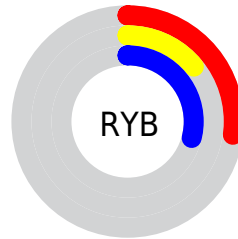
Distribution



Red (27%)

Green (14%)

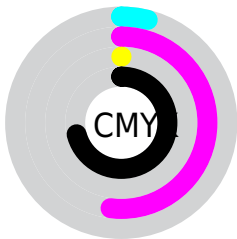
Blue (29%)



Red (27%)

Yellow (14%)

Blue (29%)

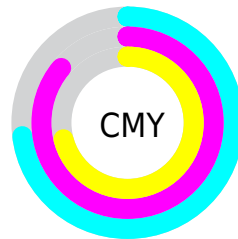


Cyan (4%)

Magenta (52%)

Yellow (0%)

Black (71%)



Cyan (73%)

Magenta (86%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 28.812, 324.515 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, 28.812, 324.515 by changing the saturation by 10% instead.

■ 20, 28.812,
324.515

■ 20, 28.812,
324.515

■ 100, 28.812,
324.515

■ 10, 28.812,
324.515

■ 40, 28.812,
324.515

■ 0, 28.812, 324.515

■ 50, 28.812,
324.515

■ 60, 28.812,
324.515

■ 70, 28.812,
324.515

■ 80, 28.812,
324.515

■ 90, 28.812,

324.515

■ 20, 28.812,
324.515

■ 20, 28.812,
324.515

■ 18, 33.732,
324.845

■ 22, 23.511,
324.133

■ 17, 38.094,
325.103

■ 24, 17.986,
323.714

■ 16, 41.713,
325.271

■ 26, 12.359,
323.274

■ 15, 44.633,
325.359

■ 28, 6.718, 322.820

■ 14, 47.063,
325.452

■ 31, 1.128, 322.290

■ 33, 4.369, 141.985

■ 35, 9.747, 141.549

■ 38, 14.990,
141.141

■ 40, 20.093,
140.756

Harmonies

Complementary

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



20, 28.812, 324.515



28, 28.709, 139.053

Rectangle

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



20, 28.812, 324.515



20, 28.812, 14.515



20, 28.812, 144.515



20, 28.812, 194.515

Sweetspot

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



20, 28.811, 324.515



36, 11.076, 323.029



17, 24.238, 293.571



17, 7.544, 323.073



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



20, 28.811, 324.515



24, 41.460, 324.912



20, 22.231, 343.717



13, 3.047, 322.659



21, 58.190, 325.329



51, 106.343, 325.117

Inverse Universe

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



19, 19.374, 18.644



23, 29.129, 21.228



28, 21.578, 154.830



13, 1.808, 13.381



19, 47.828, 32.449



47, 92.510, 37.383

Previews

White Background



This preview shows how the CIE LCh color 20, 28.812, 324.515 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 20, 28.812, 324.515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

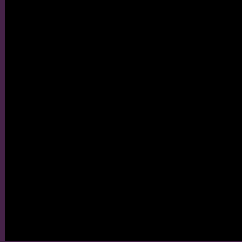
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 28.812, 324.515

Background



This preview shows how black text looks on a background with the CIELCh color 20, 28.812, 324.515.



This preview shows how white text looks on a background with the CIELCh color 20, 28.812, 324.515.

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, 28.812, 324.515

Protanopia

20, 24.611, 284.525

Deuteranopia

20, 15.166, 280.720



Tritanopia
20, 11.973, 12.599

Trichromacy



Original Color
20, 28.812, 324.515

Protanomaly
20, 25.297, 298.234

Deuteranomaly
20, 19.350, 302.599

Tritanomaly
20, 16.645, 343.258

Monochromacy



Original Color
20, 28.812, 324.515

Achromatopsia
21, 0.004, 296.813

Achromatomaly
20, 10.376, 323.309

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 28.812, 324.515 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, 73)` looks like.

```
.text, #text, p{  
    color:rgb(70, 35, 73)  
}
```

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, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 35, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 28.812, 324.515 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, 73) }
```

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

```
.border{ border-color:rgb(70, 35, 73) }
```

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, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 35, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 35, 73);  
box-shadow:4px 4px 4px 4px rgb(70, 35, 73)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 28.812, 324.515 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, 73) }
```

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

```
.background{ background-color: rgb(70, 35,  
73) }
```

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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