

Converting Colors

CIELCh(20, 31.507, 325.972)

Have a look what the booklet for
CIELCh(20, 31.507, 325.972)
contains.

CIELCh(20, 31.150, 326.291)	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, 31.150, 326.291)

Conversions

Conversions Part 1

Format	Color
Hex	49214A
RGB	73, 33, 74
RGB Percent	29%, 13%, 29%
CMY	0.7141, 0.8709, 0.7102
CMYK	0.01, 0.55, 0.00, 0.71
HSL	299°, 38%, 21%
HSV	299°, 55%, 29%
XYZ	4.5152, 2.9891, 6.8017
YIQ	49.6340, 10.6790, 21.2310

Conversions

Conversions Part 2

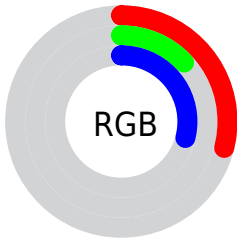
Format	Color
R_{YB}	73, 33, 74
Decimal	4792650
CIE Lab	20.00, 25.91, -17.29
CIE LCh	20, 31.150, 326.291
Yxy	2.9891, 0.3156, 0.2089
Android (android.graphics.Color)	4282982730 (0xFF49214A)
YUV	49.6340, 12.0124, 20.4920
Hunter-Lab	17.2889, 16.3618, -11.2233

Details

The CIELCh color **20, 31.150, 326.291** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **28, 31.243, 139.903**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 31.446, 326.284**, and **4, 22.323, 327.012** is the 20% darker color. If you saturate the color by 10%, you get **18, 35.892, 326.638**, and if you desaturate by 10%, it is **22, 25.921, 325.892**.

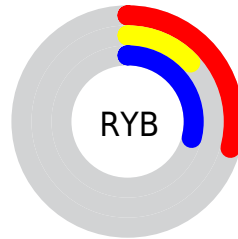
Distribution



Red (29%)

Green (13%)

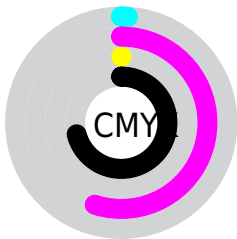
Blue (29%)



Red (29%)

Yellow (13%)

Blue (29%)

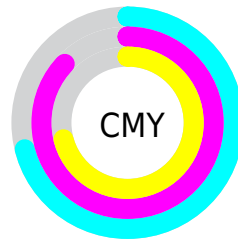


Cyan (1%)

Magenta (55%)

Yellow (0%)

Black (71%)



Cyan (71%)


Magenta (87%)


Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 31.150, 326.291 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, 31.150, 326.291 by changing the saturation by 10% instead.

 20, 31.150,
326.291


 20, 31.150,
326.291


 100, 31.150,
326.291


 10, 31.150,
326.291


 40, 31.150,
326.291


 0, 31.150, 326.291

 50, 31.150,
326.291

 60, 31.150,
326.291

 70, 31.150,
326.291

 80, 31.150,
326.291

 90, 31.150,

326.291

■ 20, 31.150,
326.291

■ 20, 31.150,
326.291

■ 18, 35.892,
326.638

■ 22, 25.921,
325.892

■ 17, 39.966,
326.918

■ 24, 20.377,
325.455

■ 16, 43.204,
327.121

■ 26, 14.661,
324.992

■ 15, 45.968,
327.282

■ 28, 8.882, 324.513

■ 15, 47.289,
327.361

■ 30, 3.123, 324.011

■ 32, 2.562, 143.628

■ 35, 8.135, 143.135

■ 37, 13.574,
142.685

■ 40, 18.867,
142.257

Harmonies

Complementary

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



20, 31.150, 326.291



28, 31.243, 139.903

Rectangle

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



20, 31.150, 326.291



20, 31.150, 16.291



20, 31.150, 146.291



20, 31.150, 196.291

Sweetspot

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



20, 31.149, 326.291



36, 12.230, 324.620



15, 27.816, 296.217



17, 8.072, 324.657



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, 31.149, 326.291



25, 45.377, 326.764



19, 23.141, 346.965



13, 3.099, 324.172



22, 57.992, 327.324



53, 105.940, 327.256

Inverse Universe

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



19, 21.296, 23.324



23, 33.062, 26.490



28, 22.162, 156.749



13, 1.800, 17.799



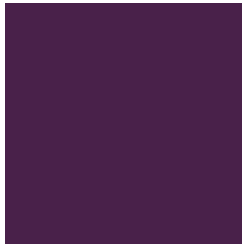
19, 48.899, 34.662



47, 94.750, 39.227

Previews

White Background



This preview shows how the CIE LCh color 20, 31.150, 326.291 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, 31.150, 326.291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

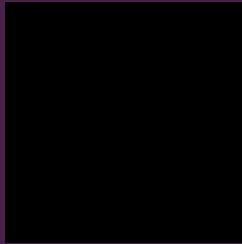
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 31.150, 326.291

Background



This preview shows how black text looks on a background with the CIELCh color 20, 31.150, 326.291.



This preview shows how white text looks on a background with the CIELCh color 20, 31.150, 326.291.

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, 31.150, 326.291

Protanopia

20, 26.626, 284.916

Deuteranopia

20, 15.166, 280.720



Tritanopia
20, 14.007, 14.585

Trichromacy



Original Color
20, 31.150, 326.291

Protanomaly
20, 26.623, 298.325

Deuteranomaly
20, 20.176, 304.673

Tritanomaly
20, 18.395, 345.898

Monochromacy



Original Color
20, 31.150, 326.291

Achromatopsia
21, 0.004, 296.813

Achromatomaly
20, 11.982, 323.738

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 31.150, 326.291 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(73, 33, 74)` looks like.

```
.text, #text, p{  
    color:rgb(73, 33, 74)  
}
```

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(73, 33, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 33, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 31.150, 326.291 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(73, 33, 74) }
```

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

```
.border{ border-color:rgb(73, 33, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 33, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 33, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 33, 74);  
box-shadow:4px 4px 4px 4px rgb(73, 33, 74)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 31.150, 326.291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 33, 74) }
```

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

```
.background{ background-color: rgb(73, 33,  
74) }
```

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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