

Converting Colors

CIELCh(20, 15.378, 293.656)

Have a look what the booklet for
CIELCh(20, 15.378, 293.656)
contains.

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Color

CIELCh(20, 15.691, 293.799)

Conversions

Conversions Part 1

Format	Color
Hex	2E2E45
RGB	46, 46, 69
RGB Percent	18%, 18%, 27%
CMY	0.8187, 0.8188, 0.7285
CMYK	0.33, 0.33, 0.00, 0.73
HSL	240°, 20%, 23%
HSV	240°, 33%, 27%
XYZ	3.2032, 2.9891, 6.0756
YIQ	48.6220, -7.3830, 7.1530

Conversions

Conversions Part 2

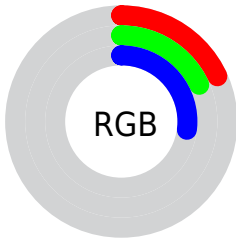
Format	Color
RYB	46, 46, 69
Decimal	3026501
CIELab	20.00, 6.33, -14.36
CIElCh	20, 15.691, 293.799
Yxy	2.9891, 0.2611, 0.2437
Android (android.graphics.Color)	4281216581 (0xFF2E2E45)
YUV	48.6220, 10.0464, -2.2995
Hunter-Lab	17.2889, 2.8158, -8.7333

Details

The CIELCh color **20, 15.691, 293.799** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **29, 14.609, 107.343**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 15.279, 293.892**, and **1, 13.723, 290.180** is the 20% darker color. If you saturate the color by 10%, you get **17, 20.803, 295.263**, and if you desaturate by 10%, it is **23, 10.768, 292.525**.

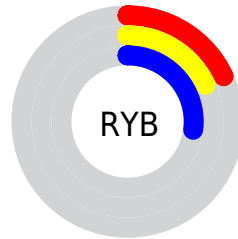
Distribution



Red (18%)

Green (18%)

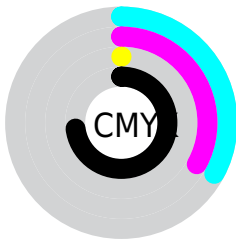
Blue (27%)



Red (18%)

Yellow (18%)

Blue (27%)

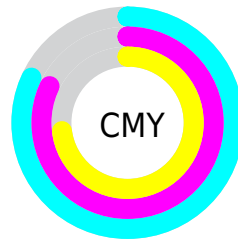


Cyan (33%)

Magenta (33%)

Yellow (0%)

Black (73%)



Cyan (82%)

Magenta (82%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 15.691, 293.799 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, 15.691, 293.799 by changing the saturation by 10% instead.

■ 20, 15.691,
293.799

■ 20, 15.691,
293.799

■ 100, 15.691,
293.799

■ 10, 15.691,
293.799

■ 40, 15.691,
293.799

■ 0, 15.691, 293.799

■ 50, 15.691,
293.799

■ 60, 15.691,
293.799

■ 70, 15.691,
293.799

■ 80, 15.691,
293.799

■ 90, 15.691,

293.799

■ 20, 15.691,
293.799

■ 20, 15.691,
293.799

■ 17, 20.803,
295.263

■ 23, 10.768,
292.525

■ 14, 26.101,
296.924

■ 26, 6.026, 291.425

■ 12, 31.552,
298.764

■ 28, 1.454, 290.489

■ 31, 2.960, 109.636

■ 9, 37.051, 300.719

■ 34, 7.227, 108.931

■ 7, 42.142, 302.447

■ 37, 11.356,
108.315

■ 5, 46.011, 303.195

■ 4, 48.455, 303.368

■ 40, 15.356,
107.777

■ 42, 19.234,
107.307

■ 45, 22.999,
106.894

Harmonies

Complementary

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



20, 15.691, 293.799



29, 14.609, 107.343

Rectangle

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



20, 15.691, 293.799



20, 15.691, 343.799



20, 15.691, 113.799



20, 15.691, 163.799

Sweetspot

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



20, 15.690, 293.799



34, 5.590, 291.140



28, 9.316, 197.949



17, 3.851, 291.205



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, 15.690, 293.799



24, 23.684, 295.004



21, 16.343, 310.500



12, 2.580, 290.971



8, 67.078, 306.289



28, 122.531, 306.288

Inverse Universe

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



23, 18.222, 326.043



28, 26.931, 326.424



28, 15.684, 127.699



13, 3.122, 324.842



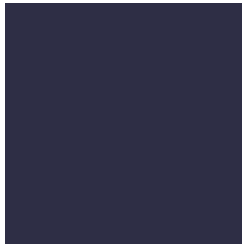
22, 57.921, 328.243



54, 105.800, 328.243

Previews

White Background



This preview shows how the CIE LCh color 20, 15.691, 293.799 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, 15.691, 293.799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

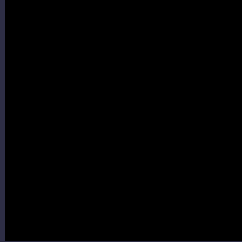
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 15.691, 293.799

Background



This preview shows how black text looks on a background with the CIELCh color 20, 15.691, 293.799.



This preview shows how white text looks on a background with the CIELCh color 20, 15.691, 293.799.

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, 15.691, 293.799

Protanopia

20, 15.094, 283.479

Deuteranopia

20, 14.434, 282.772



Tritanopia
20, 3.751, 245.829

Trichromacy



Original Color
20, 15.691, 293.799

Protanomaly
20, 15.689, 288.185

Deuteranomaly
20, 15.018, 287.738

Tritanomaly
20, 7.638, 279.139

Monochromacy



Original Color
20, 15.691, 293.799

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 5.447, 291.465

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 20, 15.691, 293.799 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(46, 46, 69)` looks like.

```
.text, #text, p{  
  color:rgb(46, 46, 69)  
}
```

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(46, 46, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 46, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 15.691, 293.799 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(46, 46, 69) }
```

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

```
.border{ border-color:rgb(46, 46, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 46, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 46, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 46, 69);  
box-shadow:4px 4px 4px 4px rgb(46, 46, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 15.691, 293.799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 46, 69) }
```

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

```
.background{ background-color: rgb(46, 46,  
69) }
```

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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