

Converting Colors

CIELCh(20, 19.519, 304.968)

Have a look what the booklet for
CIELCh(20, 19.519, 304.968)
contains.

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Color

CIELCh(20, 19.461, 304.933)

Conversions

Conversions Part 1

Format	Color
Hex	352C48
RGB	53, 44, 72
RGB Percent	21%, 17%, 28%
CMY	0.7935, 0.8287, 0.7190
CMYK	0.26, 0.39, 0.00, 0.72
HSL	259°, 24%, 23%
HSV	259°, 39%, 28%
XYZ	3.4981, 2.9891, 6.4647
YIQ	49.8830, -3.6240, 10.6160

Conversions

Conversions Part 2

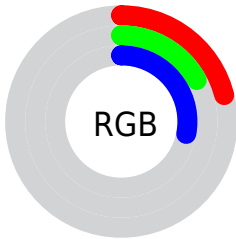
Format	Color
R_{YB}	53, 44, 72
Decimal	3484744
CIE _{Lab}	20.00, 11.14, -15.95
CIE _{LCh}	20, 19.461, 304.933
Yxy	2.9891, 0.2701, 0.2308
Android (android.graphics.Color)	4281674824 (0xFF352C48)
YUV	49.8830, 10.9037, 2.7336
Hunter-Lab	17.2889, 5.8607, -10.0676




Details

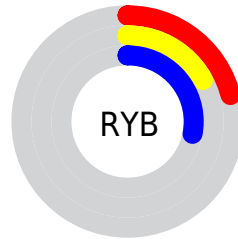
The CIELCh color **20, 19.461, 304.933** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **29, 18.156, 120.640**, and the grayscale version is **21, 0.004, 296.813**.




A 20% lighter version of the original color is **40, 19.364, 304.188**, and **1, 16.481, 301.104** is the 20% darker color. If you saturate the color by 10%, you get **17, 24.768, 305.676**, and if you desaturate by 10%, it is **23, 14.266, 304.243**.

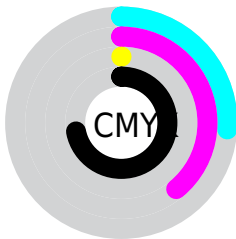
Distribution







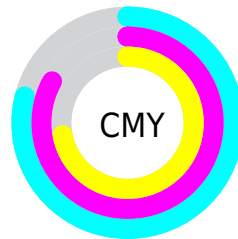
-  Red (21%)
-  Green (17%)
-  Blue (28%)






-  Red (21%)
-  Yellow (17%)
-  Blue (28%)



-  Cyan (26%)
-  Magenta (39%)
-  Yellow (0%)
-  Black (72%)



-  Cyan (79%)
-  Magenta (83%)
-  Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 19.461, 304.933 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, 19.461, 304.933 by changing the saturation by 10% instead.

■ 20, 19.461,
304.933

■ 20, 19.461,
304.933

■ 100, 19.461,
304.933

■ 10, 19.461,
304.933

■ 40, 19.461,
304.933

■ 0, 19.461, 304.933

■ 50, 19.461,
304.933

■ 60, 19.461,
304.933

■ 70, 19.461,
304.933

■ 80, 19.461,
304.933

■ 90, 19.461,

304.933

■ 20, 19.461,
304.933

■ 20, 19.461,
304.933

■ 17, 24.768,
305.676

■ 23, 14.266,
304.243

■ 15, 30.133,
306.451

■ 25, 9.211, 303.614

■ 12, 35.451,
307.220

■ 28, 4.307, 303.046

■ 31, 0.447, 122.609

■ 10, 40.537,
307.921

■ 33, 5.052, 122.109

■ 8, 45.186, 308.499

■ 36, 9.516, 121.714

■ 6, 49.767, 309.050

■ 39, 13.845,
121.369

■ 6, 50.192, 309.090

■ 41, 18.045,
121.067

■ 44, 22.123,
120.804

Harmonies

Complementary

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



20, 19.461, 304.933



29, 18.156, 120.640

Rectangle

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



20, 19.461, 304.933



20, 19.461, 354.933



20, 19.461, 124.933



20, 19.461, 174.933

Sweetspot

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



20, 19.460, 304.933



36, 7.222, 303.235



25, 9.285, 237.583



17, 4.834, 303.263



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, 19.460, 304.933



24, 29.819, 305.667



22, 21.028, 320.856



13, 2.646, 303.021



11, 64.390, 309.190



32, 118.658, 308.487

Inverse Universe

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



22, 17.649, 337.789



27, 26.479, 338.580



28, 20.740, 137.375



13, 2.492, 335.642



20, 46.190, 345.095



50, 83.210, 346.803

Previews

White Background



This preview shows how the CIELCh color 20, 19.461, 304.933 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, 19.461, 304.933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

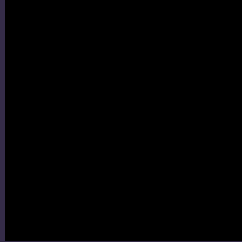
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 19.461, 304.933

Background



This preview shows how black text looks on a background with the CIELCh color 20, 19.461, 304.933.



This preview shows how white text looks on a background with the CIELCh color 20, 19.461, 304.933.

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, 19.461, 304.933

Protanopia

20, 18.483, 284.289

Deuteranopia

20, 15.862, 281.610



Tritanopia
20, 2.770, 300.316

Trichromacy



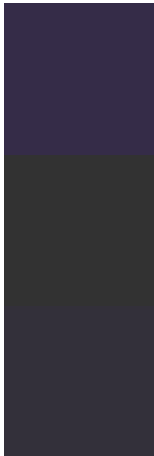
Original Color
20, 19.461, 304.933

Protanomaly
20, 19.064, 292.298

Deuteranomaly
20, 17.047, 291.549

Tritanomaly
20, 9.080, 303.274

Monochromacy



Original Color
20, 19.461, 304.933

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 6.946, 302.711

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 19.461, 304.933 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(53, 44, 72)` looks like.

```
.text, #text, p{  
    color:rgb(53, 44, 72)  
}
```

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(53, 44, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 44, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 19.461, 304.933 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(53, 44, 72) }
```

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

```
.border{ border-color:rgb(53, 44, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 44, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 44, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 44, 72);  
box-shadow:4px 4px 4px 4px rgb(53, 44, 72)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 19.461, 304.933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 44, 72) }
```

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

```
.background{ background-color: rgb(53, 44,  
72) }
```

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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