

Converting Colors

CIELCh(56, 20.110, 301.967)

Have a look what the booklet for
CIELCh(56, 20.110, 301.967)
contains.

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Color

CIELCh(56, 20.475, 302.644)

Conversions

Conversions Part 1

Format	Color
Hex	8B81A4
RGB	139, 129, 164
RGB Percent	55%, 51%, 64%
CMY	0.4545, 0.4937, 0.3564
CMYK	0.15, 0.21, 0.00, 0.36
HSL	257°, 16%, 57%
HSV	257°, 21%, 64%
XYZ	25.2420, 23.9124, 38.4611
YIQ	135.9800, -5.2750, 13.0050

Conversions

Conversions Part 2

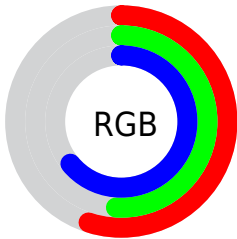
Format	Color
R_{YB}	139, 129, 164
Decimal	9142692
CIE _{Lab}	56.00, 11.04, -17.24
CIE _{LCh}	56, 20.475, 302.644
Yxy	23.9124, 0.2881, 0.2729
Android (android.graphics.Color)	4287332772 (0xFF8B81A4)
YUV	135.9800, 13.8139, 2.6485
Hunter-Lab	48.9003, 6.5647, -12.4026

Details

The CIELCh color $56, 20.475, 302.644$ is a dark color, and the websafe version is hex `9999CC`. A complement of this color would be $66, 19.645, 120.027$, and the grayscale version is $57, 0.007, 296.813$.

A 20% lighter version of the original color is $76, 20.392, 302.761$, and $36, 20.268, 302.969$ is the 20% darker color. If you saturate the color by 10%, you get $51, 30.596, 303.427$, and if you desaturate by 10%, it is $61, 10.686, 301.946$.

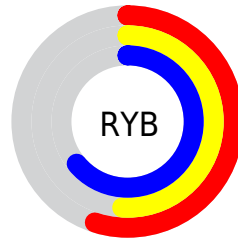
Distribution



Red (55%)

Green (51%)

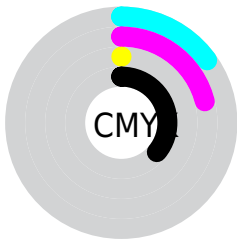
Blue (64%)



Red (55%)

Yellow (51%)

Blue (64%)

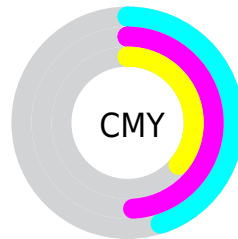


Cyan (15%)

Magenta (21%)

Yellow (0%)

Black (36%)



Cyan (45%)

Magenta (49%)

Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 20.475, 302.644 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 56, 20.475, 302.644 by changing the saturation by 10% instead.


 56, 20.475,
302.644


 56, 20.475,
302.644


 100, 20.475,
302.644


 46, 20.475,
302.644


 76, 20.475,
302.644

 36, 20.475,
302.644

 86, 20.475,
302.644

 26, 20.475,
302.644

 96, 20.475,
302.644

 16, 20.475,
302.644

 6, 20.475, 302.644

 0, 20.475, 302.644

56, 20.475,
302.644

56, 20.475,
302.644

51, 30.596,
303.427

61, 10.686,
301.946

45, 41.019,
304.294

67, 1.238, 301.309

40, 51.653,
305.226

72, 7.880, 120.811

35, 62.295,
306.181

77, 16.684,
120.347

31, 72.553,
307.080

83, 25.189,
119.947

26, 81.748,
307.792

88, 33.415,
119.602


23, 88.920,
308.144

93, 41.378,
119.306

21, 93.504,

97, 46.260,
117.367

308.224

 97, 45.583,
111.809

Harmonies

Complementary

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



56, 20.475, 302.644



66, 19.645, 120.027

Rectangle

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



56, 20.475, 302.644



56, 20.475, 352.644



56, 20.475, 122.644



56, 20.475, 172.644

Sweetspot

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



56, 20.474, 302.643



82, 6.970, 301.614



62, 10.411, 231.200



43, 4.619, 301.652



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



56, 20.474, 302.643



68, 31.280, 303.037



58, 22.468, 319.224



32, 5.293, 301.812



18, 85.434, 308.315



1, 8.090, 300.243

Inverse Universe

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



58, 19.566, 335.156



72, 29.654, 335.538



65, 22.226, 137.289



32, 5.131, 334.293



32, 61.503, 343.460



1, 7.614, 336.029

Previews

White Background



This preview shows how the CIELCh color 56, 20.475, 302.644 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 56, 20.475, 302.644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

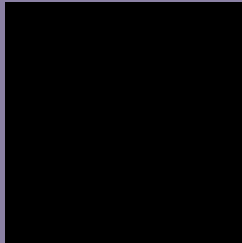
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 20.475, 302.644

Background



This preview shows how black text looks on a background with the CIELCh color 56, 20.475, 302.644.



This preview shows how white text looks on a background with the CIELCh color 56, 20.475, 302.644.

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


56, 20.475, 302.644

Protanopia

56, 19.556, 285.291

Deuteranopia

56, 18.957, 294.553



Tritanopia
56, 5.863, 302.191

Trichromacy



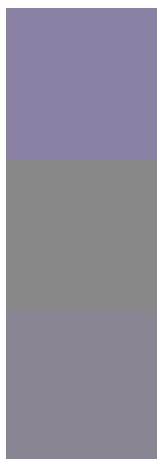
Original Color
56, 20.475, 302.644

Protanomaly
56, 19.476, 291.417

Deuteranomaly
56, 19.633, 297.689

Tritanomaly
56, 11.082, 301.202

Monochromacy



Original Color
56, 20.475, 302.644

Achromatopsia
57, 0.007, 296.813

Achromatomaly
56, 7.624, 302.590

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 20.475, 302.644 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(139, 129, 164)` looks like.

```
.text, #text, p{  
    color:rgb(139, 129, 164)  
}
```

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(139, 129, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 129, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 20.475, 302.644 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(139, 129, 164) }
```

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

```
.border{ border-color:rgb(139, 129, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 129, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 129, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 129, 164);  
box-shadow:4px 4px 4px 4px rgb(139, 129,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 20.475, 302.644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 129, 164) }
```

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

```
.background{ background-color: rgb(139,  
129, 164) }
```

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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