

Converting Colors

CIELCh(8, 21.627, 318.333)

Have a look what the booklet for
CIELCh(8, 21.627, 318.333) contains.

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Color

CIELCh(8, 21.444, 317.946)

Conversions

Conversions Part 1

Format	Color
Hex	23102B
RGB	35, 16, 43
RGB Percent	14%, 6%, 17%
CMY	0.8640, 0.9384, 0.8326
CMYK	0.19, 0.63, 0.00, 0.83
HSL	282°, 46%, 11%
HSV	282°, 63%, 17%
XYZ	1.2934, 0.8856, 2.3575
YIQ	24.7590, 2.6570, 12.4250

Conversions

Conversions Part 2

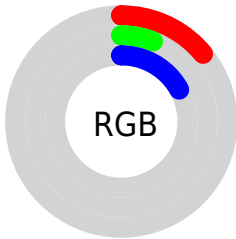
Format	Color
RYB	35, 16, 43
Decimal	2297899
CIELab	8.00, 15.92, -14.36
CIELCh	8, 21.444, 317.946
Yxy	0.8856, 0.2851, 0.1952
Android (android.graphics.Color)	4280487979 (0xFF23102B)
YUV	24.7590, 8.9928, 8.9814
Hunter-Lab	9.4109, 8.0628, -8.2648

Details

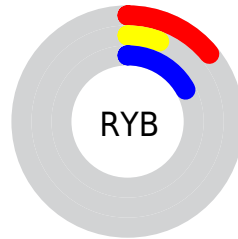
The CIELCh color **8, 21.444, 317.946** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **15, 20.556, 133.600**, and the grayscale version is **8, 0.002, 296.813**.

A 20% lighter version of the original color is **28, 21.954, 317.413**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **7, 24.306, 317.930**, and if you desaturate by 10%, it is **9, 18.122, 317.654**.

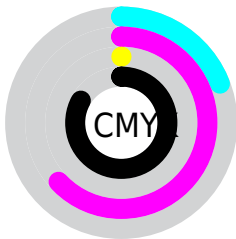
Distribution



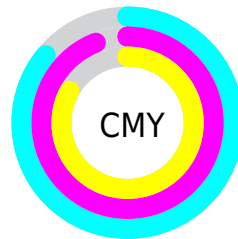
- Red (14%)
- Green (6%)
- Blue (17%)



- Red (14%)
- Yellow (6%)
- Blue (17%)



- Cyan (19%)
- Magenta (63%)
- Yellow (0%)
- Black (83%)



- Cyan (86%)
- Magenta (94%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 8, 21.444, 317.946 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 8, 21.444, 317.946 by changing the saturation by 10% instead.

 8, 21.444, 317.946


 8, 21.444, 317.946


 98, 21.444,
317.946


 0, 21.444, 317.946


 28, 21.444,
317.946

 38, 21.444,
317.946

 48, 21.444,
317.946

 58, 21.444,
317.946

 68, 21.444,
317.946

 78, 21.444,
317.946

■ 88, 21.444,
317.946

■ 8, 21.444, 317.946

■ 8, 21.444, 317.946

■ 7, 24.306, 317.930

■ 9, 18.122, 317.654

■ 6, 26.571, 317.556

■ 11, 14.709,
317.326

■ 5, 28.700, 317.070

■ 12, 11.263,
316.979

■ 4, 30.085, 316.684

■ 14, 7.822, 316.626

■ 15, 4.417, 316.272

■ 17, 1.064, 315.890

■ 18, 2.224, 135.655

■ 20, 5.442, 135.333

■ 22, 8.586, 135.043

Harmonies

Complementary

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



8, 21.444, 317.946



15, 20.556, 133.600

Rectangle

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



8, 21.444, 317.946



8, 21.444, 7.946



8, 21.444, 137.946



8, 21.444, 187.946

Sweetspot

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



8, 21.443, 317.946



20, 8.052, 316.519



8, 14.322, 282.860



8, 5.392, 316.497



64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



8, 21.443, 317.946



10, 31.782, 318.302



9, 19.613, 333.915



6, 1.454, 315.536



13, 53.205, 318.215



40, 104.030, 317.388

Inverse Universe

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



8, 15.105, 3.090



11, 22.531, 6.613



15, 19.668, 145.959



6, 0.977, 356.731



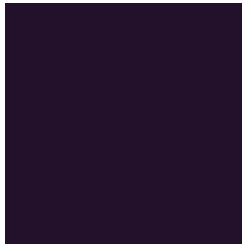
15, 38.336, 16.352



45, 76.556, 21.991

Previews

White Background



This preview shows how the CIELCh color 8, 21.444, 317.946 looks on a white background.

Color Contrast Check

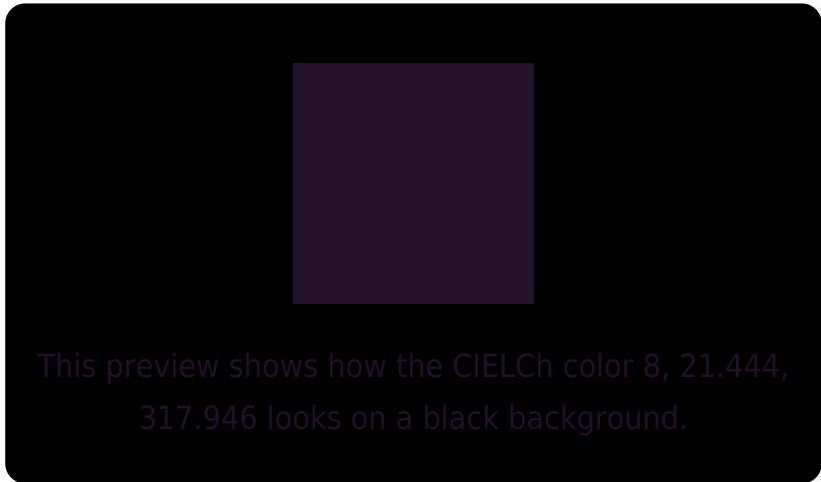
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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 8, 21.444, 317.946

Background



This preview shows how black text looks on a background with the CIELCh color 8, 21.444, 317.946.



This preview shows how white text looks on a background with the CIELCh color 8, 21.444, 317.946.

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

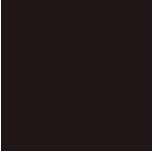
8, 21.444, 317.946

Protanopia

8, 20.836, 279.069

Deuteranopia

8, 12.531, 273.490



Tritanopia
8, 6.075, 7.287

Trichromacy



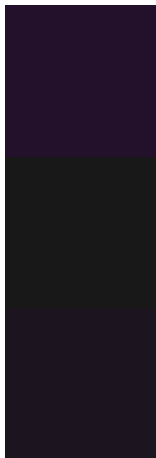
Original Color
8, 21.444, 317.946

Protanomaly
7, 20.372, 290.534

Deuteranomaly
8, 15.037, 293.737

Tritanomaly
8, 10.728, 333.111

Monochromacy



Original Color
8, 21.444, 317.946

Achromatopsia
8, 0.002, 296.813

Achromatomaly
8, 8.299, 316.740

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 8, 21.444, 317.946 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(35, 16, 43)` looks like.

```
.text, #text, p{  
    color:rgb(35, 16, 43)  
}
```

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(35, 16, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 16, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 8, 21.444, 317.946 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(35, 16, 43) }
```

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

```
.border{ border-color:rgb(35, 16, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 16, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 16, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 16, 43);  
box-shadow:4px 4px 4px 4px rgb(35, 16, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 8, 21.444, 317.946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 16, 43) }
```

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

```
.background{ background-color: rgb(35, 16,  
43) }
```

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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