

Converting Colors

CIELCh(21, 50.197, 328.745)

Have a look what the booklet for
CIELCh(21, 50.197, 328.745)
contains.

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Color

CIELCh(21, 50.263, 328.433)

Conversions

Conversions Part 1

Format	Color
Hex	5B0D5A
RGB	91, 13, 90
RGB Percent	36%, 5%, 35%
CMY	0.6433, 0.9493, 0.6472
CMYK	0.00, 0.86, 0.01, 0.64
HSL	301°, 75%, 20%
HSV	301°, 86%, 36%
XYZ	6.2961, 3.2451, 9.9569
YIQ	45.1000, 21.7710, 40.4830

Conversions

Conversions Part 2

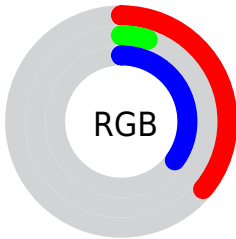
Format	Color
RYB	91, 13, 90
Decimal	5967194
CIELab	21.00, 42.83, -26.31
CIELCh	21, 50.263, 328.433
Yxy	3.2451, 0.3229, 0.1664
Android (android.graphics.Color)	4284157274 (0xFF5B0D5A)
YUV	45.1000, 22.1357, 40.2543
Hunter-Lab	18.0142, 30.8618, -20.1611

Details

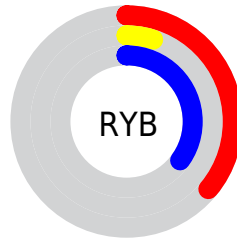
The CIELCh color **21, 50.263, 328.433** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **33, 51.713, 137.397**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 50.662, 328.293**, and **6, 33.382, 328.084** is the 20% darker color. If you saturate the color by 10%, you get **20, 52.830, 328.629**, and if you desaturate by 10%, it is **22, 46.819, 328.182**.

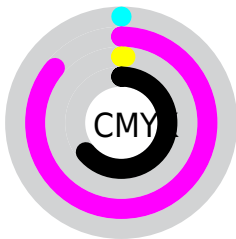
Distribution



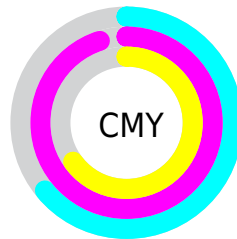
- Red (36%)
- Green (5%)
- Blue (35%)



- Red (36%)
- Yellow (5%)
- Blue (35%)



- Cyan (0%)
- Magenta (86%)
- Yellow (1%)
- Black (64%)





- Cyan (64%)
- Magenta (95%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 50.263, 328.433 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 21, 50.263, 328.433 by changing the saturation by 10% instead.

 21, 50.263,
328.433


 21, 50.263,
328.433

 100, 50.263,
328.433


 11, 50.263,
328.433


 41, 50.263,
328.433


 1, 50.263, 328.433

 51, 50.263,
328.433

 0, 50.263, 328.433

 61, 50.263,
328.433

 71, 50.263,
328.433

 81, 50.263,
328.433

 91, 50.263,

328.433

■ 21, 50.263,
328.433

■ 21, 50.263,
328.433

■ 20, 52.830,
328.629

■ 22, 46.819,
328.182

■ 20, 53.929,
328.711

■ 24, 42.301,
327.862

■ 25, 36.898,
327.480

■ 27, 30.839,
327.048

■ 30, 24.342,
326.578

■ 32, 17.598,
326.083

■ 34, 10.754,
325.571

■ 37, 3.919, 325.038

■ 40, 2.831, 144.624

Harmonies

Complementary

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



21, 50.263, 328.433



33, 51.713, 137.397

Rectangle

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



21, 50.263, 328.433



21, 50.263, 18.433



21, 50.263, 148.433



21, 50.263, 198.433

Sweetspot

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



21, 50.262, 328.433



41, 21.887, 326.135



10, 54.569, 303.744



19, 14.682, 326.238



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



21, 50.262, 328.433



27, 64.491, 328.726



19, 37.355, 355.047



17, 3.835, 325.207



25, 61.472, 328.723



56, 108.284, 328.755

Inverse Universe

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



21, 50.262, 328.433



27, 64.491, 328.726



34, 36.378, 153.426



17, 3.835, 325.207



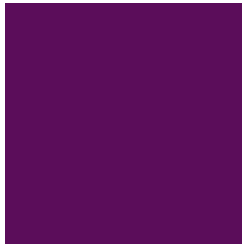
25, 61.472, 328.723



56, 108.284, 328.755

Previews

White Background



This preview shows how the CIE LCh color 21, 50.263, 328.433 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 21, 50.263, 328.433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

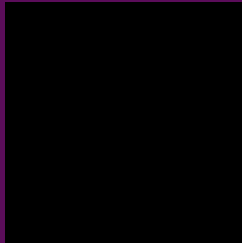
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 50.263, 328.433

Background



This preview shows how black text looks on a background with the CIELCh color 21, 50.263, 328.433.



This preview shows how white text looks on a background with the CIELCh color 21, 50.263, 328.433.

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

21, 50.263, 328.433

Protanopia

22, 38.568, 284.323

Deuteranopia

22, 21.973, 278.583



Tritanopia
22, 24.341, 22.507

Trichromacy



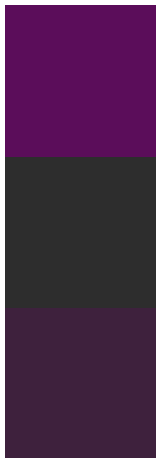
Original Color
21, 50.263, 328.433

Protanomaly
18, 43.567, 298.279

Deuteranomaly
20, 33.770, 307.118

Tritanomaly
21, 31.013, 350.545

Monochromacy



Original Color
21, 50.263, 328.433

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 22.634, 327.599

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 50.263, 328.433 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(91, 13, 90)` looks like.

```
.text, #text, p{  
    color:rgb(91, 13, 90)  
}
```

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(91, 13, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 13, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 50.263, 328.433 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(91, 13, 90) }
```

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

```
.border{ border-color:rgb(91, 13, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 13, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 13, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 13, 90);  
box-shadow:4px 4px 4px 4px rgb(91, 13, 90)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 50.263, 328.433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 13, 90) }
```

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

```
.background{ background-color: rgb(91, 13,  
90) }
```

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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