

Converting Colors

CIELCh(29, 24.597, 320.027)

Have a look what the booklet for
CIELCh(29, 24.597, 320.027)
contains.

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Color

CIELCh(29, 24.330, 320.123)

Conversions

Conversions Part 1

Format	Color
Hex	563B5D
RGB	86, 59, 93
RGB Percent	34%, 23%, 36%
CMY	0.6642, 0.7700, 0.6367
CMYK	0.08, 0.37, 0.00, 0.64
HSL	288°, 22%, 30%
HSV	288°, 37%, 36%
XYZ	7.3105, 5.8380, 11.0131
YIQ	70.9490, 5.1780, 16.2980

Conversions

Conversions Part 2

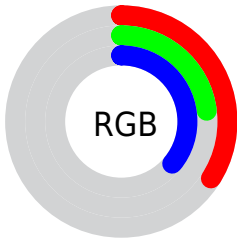
Format	Color
RYB	86, 59, 93
Decimal	5651293
CIELab	29.00, 18.67, -15.60
CIElCh	29, 24.330, 320.123
Yxy	5.8380, 0.3026, 0.2416
Android (android.graphics.Color)	4283841373 (0xFF563B5D)
YUV	70.9490, 10.8711, 13.1997
Hunter-Lab	24.1619, 11.7237, -10.1113




Details

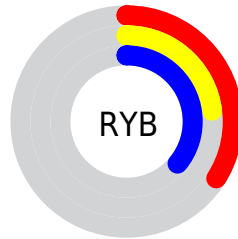
The CIELCh color $29, 24.330, 320.123$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $36, 23.951, 136.809$, and the grayscale version is $30, 0.005, 296.813$.




A 20% lighter version of the original color is $49, 23.875, 320.062$, and $9, 24.387, 320.252$ is the 20% darker color. If you saturate the color by 10%, you get $26, 30.871, 320.497$, and if you desaturate by 10%, it is $32, 17.659, 319.719$.

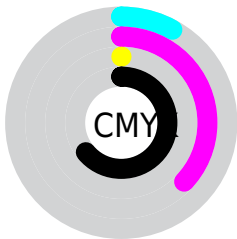
Distribution







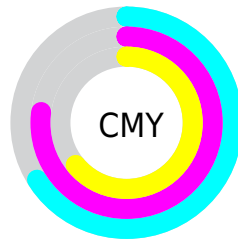
-  Red (34%)
-  Green (23%)
-  Blue (36%)






-  Red (34%)
-  Yellow (23%)
-  Blue (36%)



-  Cyan (8%)
-  Magenta (37%)
-  Yellow (0%)
-  Black (64%)




-  Cyan (66%)
-  Magenta (77%)
-  Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 24.330, 320.123 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 29, 24.330, 320.123 by changing the saturation by 10% instead.

 29, 24.330,
320.123

 29, 24.330,
320.123

 100, 24.330,
320.123

 19, 24.330,
320.123

 49, 24.330,
320.123

 9, 24.330, 320.123

 59, 24.330,
320.123

 0, 24.330, 320.123

 69, 24.330,
320.123

 79, 24.330,
320.123

 89, 24.330,
320.123

 99, 24.330,

320.123

■ 29, 24.330,
320.123

■ 29, 24.330,
320.123

■ 26, 30.871,
320.497

■ 32, 17.659,
319.719

■ 24, 37.123,
320.817

■ 35, 10.976,
319.302

■ 22, 42.870,
321.054

■ 37, 4.360, 318.874

■ 20, 47.854,
321.172

■ 40, 2.140, 138.557

■ 18, 51.813,
321.134

■ 43, 8.496, 138.133

■ 17, 54.999,
320.993

■ 46, 14.690,
137.766

■ 49, 20.717,
137.426

■ 17, 56.122,
320.968

■ 52, 26.577,
137.112

■ 55, 32.272,
136.823

Harmonies

Complementary

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



29, 24.330, 320.123



36, 23.951, 136.809

Rectangle

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



29, 24.330, 320.123



29, 24.330, 10.123



29, 24.330, 140.123



29, 24.330, 190.123

Sweetspot

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



29, 24.329, 320.123



46, 8.915, 319.076



28, 17.314, 284.409



23, 6.041, 319.112



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



29, 24.329, 320.123



35, 36.004, 320.450



29, 21.059, 336.059



17, 3.638, 318.968



21, 63.213, 320.827



48, 111.629, 320.380

Inverse Universe

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



29, 16.229, 6.741



35, 24.382, 8.118



36, 20.856, 150.817



17, 2.317, 3.474



21, 48.583, 26.086



50, 88.344, 29.940

Previews

White Background



This preview shows how the CIE LCh color 29, 24.330, 320.123 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 29, 24.330, 320.123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

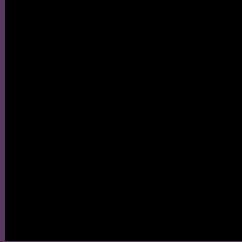
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 24.330, 320.123

Background



This preview shows how black text looks on a background with the CIELCh color 29, 24.330, 320.123.

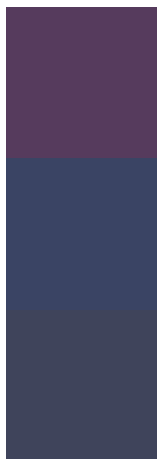


This preview shows how white text looks on a background with the CIELCh color 29, 24.330, 320.123.

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

29, 24.330, 320.123

Protanopia

29, 20.724, 284.189

Deuteranopia

29, 14.858, 285.566



Tritanopia
29, 8.737, 359.550

Trichromacy



Original Color
29, 24.330, 320.123

Protanomaly
29, 20.687, 297.039

Deuteranomaly
29, 17.615, 300.960

Tritanomaly
29, 13.711, 333.413

Monochromacy



Original Color
29, 24.330, 320.123

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 8.649, 317.873

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 24.330, 320.123 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(86, 59, 93)` looks like.

```
.text, #text, p{  
    color:rgb(86, 59, 93)  
}
```

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(86, 59, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 59, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 24.330, 320.123 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(86, 59, 93) }
```

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

```
.border{ border-color:rgb(86, 59, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 59, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 59, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 59, 93);  
box-shadow:4px 4px 4px 4px rgb(86, 59, 93)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 24.330, 320.123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 59, 93) }
```

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

```
.background{ background-color: rgb(86, 59,  
93) }
```

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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