

Converting Colors

CIELCh(22, 19.000, 320.926)

Have a look what the booklet for
CIELCh(22, 19.000, 320.926)
contains.

CIELCh(22, 19.540, 320.487)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(22, 19.540, 320.487)

Conversions

Conversions Part 1

Format	Color
Hex	422D47
RGB	66, 45, 71
RGB Percent	26%, 18%, 28%
CMY	0.7403, 0.8227, 0.7207
CMYK	0.07, 0.37, 0.00, 0.72
HSL	288°, 22%, 23%
HSV	288°, 37%, 28%
XYZ	4.3514, 3.5154, 6.4463
YIQ	54.2430, 4.1700, 12.5380

Conversions

Conversions Part 2

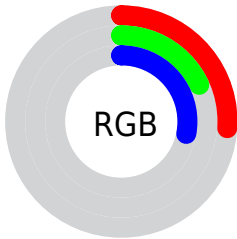
Format	Color
R_{YB}	66, 45, 71
Decimal	4336967
CIE _{Lab}	22.00, 15.07, -12.43
CIE _{LCh}	22, 19.540, 320.487
Yxy	3.5154, 0.3040, 0.2456
Android (android.graphics.Color)	4282527047 (0xFF422D47)
YUV	54.2430, 8.2612, 10.3109
Hunter-Lab	18.7494, 8.6147, -7.2601

Details

The CIELCh color **22, 19.540, 320.487** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **28, 19.270, 137.283**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 19.256, 320.454**, and **3, 17.832, 320.187** is the 20% darker color. If you saturate the color by 10%, you get **20, 24.830, 320.855**, and if you desaturate by 10%, it is **24, 14.159, 320.094**.

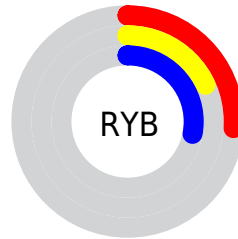
Distribution



Red (26%)

Green (18%)

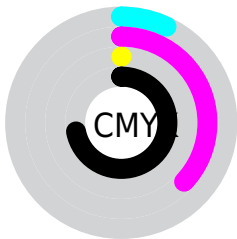
Blue (28%)



Red (26%)

Yellow (18%)

Blue (28%)

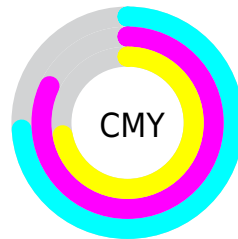


Cyan (7%)

Magenta (37%)

Yellow (0%)

Black (72%)



Cyan (74%)


Magenta (82%)

Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 19.540, 320.487 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 22, 19.540, 320.487 by changing the saturation by 10% instead.

 22, 19.540,
320.487


 22, 19.540,
320.487

 100, 19.540,
320.487


 12, 19.540,
320.487


 42, 19.540,
320.487


 2, 19.540, 320.487

 52, 19.540,
320.487

 0, 19.540, 320.487

 62, 19.540,
320.487

 72, 19.540,
320.487

 82, 19.540,
320.487

 92, 19.540,

320.487

■ 22, 19.540,
320.487

■ 22, 19.540,
320.487

■ 20, 24.830,
320.855

■ 24, 14.159,
320.094

■ 18, 29.914,
321.178

■ 26, 8.773, 319.688

■ 16, 34.639,
321.431

■ 29, 3.439, 319.271

■ 31, 1.806, 138.968

■ 15, 38.820,
321.585

■ 33, 6.940, 138.553

■ 13, 42.262,
321.609

■ 36, 11.949,
138.193

■ 12, 45.540,
321.634

■ 38, 16.829,
137.858

■ 12, 46.779,
321.671

■ 41, 21.578,
137.546

■ 43, 26.199,
137.258

Harmonies

Complementary

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



22, 19.540, 320.487



28, 19.270, 137.283

Rectangle

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



22, 19.540, 320.487



22, 19.540, 10.487



22, 19.540, 140.487



22, 19.540, 190.487

Sweetspot

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



22, 19.539, 320.487



36, 7.183, 319.478



21, 14.118, 285.103



17, 4.757, 319.499



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



22, 19.539, 320.487



27, 29.000, 320.825



22, 16.683, 336.660



13, 2.947, 319.360



18, 58.879, 321.368



47, 107.757, 320.889

Inverse Universe

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



22, 12.927, 7.559



27, 19.508, 8.922



28, 16.499, 151.601



13, 1.859, 4.465



19, 45.447, 26.385



48, 86.142, 30.810

Previews

White Background



This preview shows how the CIE LCh color 22, 19.540, 320.487 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 22, 19.540, 320.487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

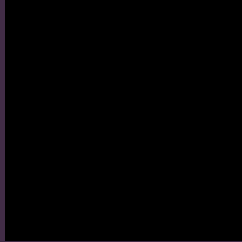
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 19.540, 320.487

Background



This preview shows how black text looks on a background with the CIELCh color 22, 19.540, 320.487.



This preview shows how white text looks on a background with the CIELCh color 22, 19.540, 320.487.

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

22, 19.540, 320.487

Protanopia

22, 16.879, 284.976

Deuteranopia

22, 12.114, 287.145



Tritanopia
22, 7.564, 0.408

Trichromacy



Original Color
22, 19.540, 320.487

Protanomaly
22, 16.881, 297.808

Deuteranomaly
22, 13.656, 301.755

Tritanomaly
22, 11.121, 335.654

Monochromacy



Original Color
22, 19.540, 320.487

Achromatopsia
23, 0.004, 296.813

Achromatomaly
22, 6.836, 318.694

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 19.540, 320.487 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(66, 45, 71)` looks like.

```
.text, #text, p{  
    color:rgb(66, 45, 71)  
}
```

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(66, 45, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 45, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 19.540, 320.487 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(66, 45, 71) }
```

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

```
.border{ border-color:rgb(66, 45, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 45, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 45, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 45, 71);  
box-shadow:4px 4px 4px 4px rgb(66, 45, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 19.540, 320.487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 45, 71) }
```

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

```
.background{ background-color: rgb(66, 45,  
71) }
```

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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