

Converting Colors

CIELCh(22, 35.332, 322.058)

Have a look what the booklet for
CIELCh(22, 35.332, 322.058)
contains.

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Color

CIELCh(22, 35.350, 322.151)

Conversions

Conversions Part 1

Format	Color
Hex	4D2455
RGB	77, 36, 85
RGB Percent	30%, 14%, 33%
CMY	0.6973, 0.8582, 0.6660
CMYK	0.09, 0.58, 0.00, 0.67
HSL	290°, 40%, 24%
HSV	290°, 58%, 33%
XYZ	5.3572, 3.5154, 9.0267
YIQ	53.8450, 8.7070, 23.9310

Conversions

Conversions Part 2

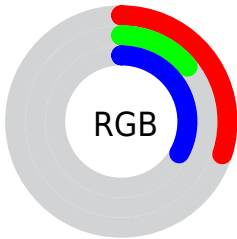
Format	Color
R_{YB}	77, 36, 85
Decimal	5055573
CIE _{Lab}	22.00, 27.91, -21.69
CIE _{LCh}	22, 35.350, 322.151
Yxy	3.5154, 0.2993, 0.1964
Android (android.graphics.Color)	4283245653 (0xFF4D2455)
YUV	53.8450, 15.3594, 20.3069
Hunter-Lab	18.7494, 18.1907, -15.4199

Details

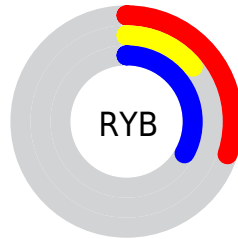
The CIELCh color **22, 35.350, 322.151** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **32, 34.868, 136.609**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 35.193, 321.859**, and **4, 28.850, 320.976** is the 20% darker color. If you saturate the color by 10%, you get **20, 40.637, 322.395**, and if you desaturate by 10%, it is **24, 29.552, 321.829**.

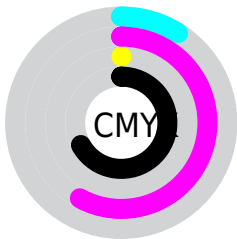
Distribution



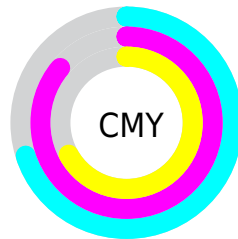
- Red (30%)
- Green (14%)
- Blue (33%)



- Red (30%)
- Yellow (14%)
- Blue (33%)



- Cyan (9%)
- Magenta (58%)
- Yellow (0%)
- Black (67%)





- Cyan (70%)
- Magenta (86%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 35.350, 322.151 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, 35.350, 322.151 by changing the saturation by 10% instead.

 22, 35.350,
322.151


 22, 35.350,
322.151

 100, 35.350,
322.151


 12, 35.350,
322.151


 42, 35.350,
322.151


 2, 35.350, 322.151

 52, 35.350,
322.151

 0, 35.350, 322.151

 62, 35.350,
322.151

 72, 35.350,
322.151

 82, 35.350,
322.151

 92, 35.350,

322.151

■ 22, 35.350,
322.151

■ 22, 35.350,
322.151

■ 20, 40.637,
322.395

■ 24, 29.552,
321.829

■ 18, 45.185,
322.529

■ 27, 23.447,
321.453

■ 17, 48.765,
322.525

■ 29, 17.191,
321.046

■ 16, 51.854,
322.470

■ 32, 10.900,
320.623

■ 16, 52.665,
322.469

■ 34, 4.653, 320.188

■ 37, 1.498, 139.881

■ 40, 7.519, 139.421

■ 42, 13.394,
139.036

■ 45, 19.112,
138.677

Harmonies

Complementary

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



22, 35.350, 322.151



32, 34.868, 136.609

Rectangle

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



22, 35.350, 322.151



22, 35.350, 12.151



22, 35.350, 142.151



22, 35.350, 192.151

Sweetspot

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



22, 35.349, 322.151



41, 13.014, 320.624



19, 27.842, 291.142



20, 8.780, 320.670



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



22, 35.349, 322.151



26, 50.608, 322.459



22, 29.062, 340.066



16, 3.508, 320.245



21, 61.823, 322.305



49, 110.046, 321.927

Inverse Universe

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



22, 24.323, 13.640



26, 36.048, 17.161



32, 28.740, 150.480



16, 2.176, 6.742



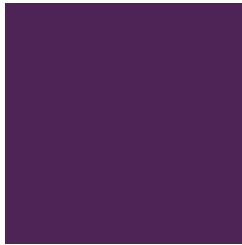
21, 48.914, 29.069



49, 90.164, 32.919

Previews

White Background



This preview shows how the CIE LCh color 22, 35.350, 322.151 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 22, 35.350, 322.151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

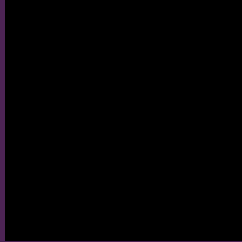
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 35.350, 322.151

Background



This preview shows how black text looks on a background with the CIELCh color 22, 35.350, 322.151.



This preview shows how white text looks on a background with the CIELCh color 22, 35.350, 322.151.

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, 35.350, 322.151

Protanopia

22, 32.299, 285.395

Deuteranopia

22, 19.782, 280.281



Tritanopia
22, 12.789, 13.374

Trichromacy



Original Color
22, 35.350, 322.151

Protanomaly
21, 32.924, 297.059

Deuteranomaly
22, 24.395, 300.476

Tritanomaly
22, 19.334, 340.705

Monochromacy



Original Color
22, 35.350, 322.151

Achromatopsia
23, 0.004, 296.813

Achromatomaly
22, 12.984, 320.541

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 35.350, 322.151 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(77, 36, 85)` looks like.

```
.text, #text, p{  
    color:rgb(77, 36, 85)  
}
```

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(77, 36, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 36, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 35.350, 322.151 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(77, 36, 85) }
```

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

```
.border{ border-color:rgb(77, 36, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 36, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 36, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 36, 85);  
box-shadow:4px 4px 4px 4px rgb(77, 36, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 35.350, 322.151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 36, 85) }
```

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

```
.background{ background-color: rgb(77, 36,  
85) }
```

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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