

Converting Colors

CIELCh(32, 46.196, 317.087)

Have a look what the booklet for
CIELCh(32, 46.196, 317.087)
contains.

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Color

CIELCh(32, 46.232, 317.048)

Conversions

Conversions Part 1

Format	Color
Hex	66377D
RGB	102, 55, 125
RGB Percent	40%, 22%, 49%
CMY	0.5989, 0.7833, 0.5087
CMYK	0.18, 0.56, 0.00, 0.51
HSL	280°, 39%, 35%
HSV	280°, 56%, 49%
XYZ	10.6083, 7.0852, 20.3029
YIQ	77.0330, 5.5420, 31.7340

Conversions

Conversions Part 2

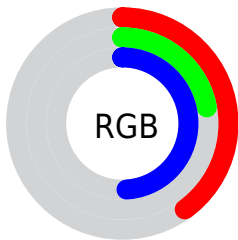
Format	Color
R_{YB}	102, 55, 125
Decimal	6698877
CIE _{Lab}	32.00, 33.84, -31.50
CIE _{LCh}	32, 46.232, 317.048
Yxy	7.0852, 0.2792, 0.1865
Android (android.graphics.Color)	4284888957 (0xFF66377D)
YUV	77.0330, 23.6477, 21.8961
Hunter-Lab	26.6180, 24.5577, -26.5909

Details

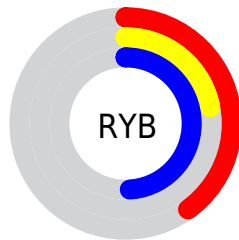
The CIELCh color **32, 46.232, 317.048** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **48, 44.257, 132.183**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 46.176, 317.142**, and **12, 45.768, 317.056** is the 20% darker color. If you saturate the color by 10%, you get **29, 53.772, 317.298**, and if you desaturate by 10%, it is **35, 38.141, 316.703**.

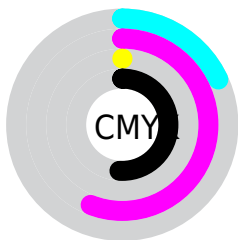
Distribution



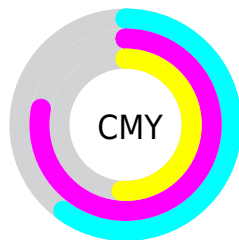
- Red (40%)
- Green (22%)
- Blue (49%)



- Red (40%)
- Yellow (22%)
- Blue (49%)



- Cyan (18%)
- Magenta (56%)
- Yellow (0%)
- Black (51%)





- Cyan (60%)
- Magenta (78%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 46.232, 317.048 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 32, 46.232, 317.048 by changing the saturation by 10% instead.


 32, 46.232,
317.048

 32, 46.232,
317.048

 100, 46.232,
317.048

 22, 46.232,
317.048

 52, 46.232,
317.048


 12, 46.232,
317.048


 62, 46.232,
317.048

 2, 46.232, 317.048

 72, 46.232,
317.048

 0, 46.232, 317.048

 82, 46.232,
317.048

 92, 46.232,
317.048

■ 32, 46.232,
317.048

■ 32, 46.232,
317.048

■ 29, 53.772,
317.298

■ 35, 38.141,
316.703

■ 26, 60.397,
317.399

■ 39, 29.786,
316.304

■ 24, 65.687,
317.286

■ 43, 21.362,
315.882

■ 22, 69.459,
316.937

■ 46, 12.996,
315.457

■ 21, 70.966,
316.807

■ 50, 4.770, 315.033

■ 54, 3.273, 134.708

■ 58, 11.108,
134.321

■ 62, 18.726,
133.984

■ 66, 26.126,
133.680

Harmonies

Complementary

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



32, 46.232, 317.048



48, 44.257, 132.183

Rectangle

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



32, 46.232, 317.048



32, 46.232, 7.048



32, 46.232, 137.048



32, 46.232, 187.048

Sweetspot

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



32, 46.231, 317.048



59, 17.285, 315.522



34, 29.752, 281.253



29, 11.520, 315.588



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



32, 46.231, 317.048



37, 67.505, 317.343



35, 43.183, 332.806



25, 4.644, 315.171



22, 71.879, 316.790



0, 0.000, 0.000

Inverse Universe

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



33, 32.944, 1.352



40, 48.049, 4.407



47, 43.491, 144.534



25, 3.235, 354.774



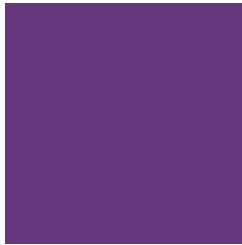
26, 51.404, 16.560



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 32, 46.232, 317.048 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 32, 46.232, 317.048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

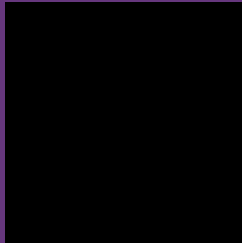
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 46.232, 317.048

Background



This preview shows how black text looks on a background with the CIELCh color 32, 46.232, 317.048.



This preview shows how white text looks on a background with the CIELCh color 32, 46.232, 317.048.

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

32, 46.232, 317.048

Protanopia

32, 44.382, 286.717

Deuteranopia

32, 29.035, 279.430



Tritanopia
32, 11.668, 5.855

Trichromacy



Original Color
32, 46.232, 317.048

Protanomaly
31, 44.271, 295.303

Deuteranomaly
31, 34.923, 296.574

Tritanomaly
32, 22.702, 329.805

Monochromacy



Original Color
32, 46.232, 317.048

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 17.923, 315.341

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 46.232, 317.048 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(102, 55, 125)` looks like.

```
.text, #text, p{  
    color:rgb(102, 55, 125)  
}
```

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(102, 55, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 55, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 46.232, 317.048 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(102, 55, 125) }
```

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

```
.border{ border-color:rgb(102, 55, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 55, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 55, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 55, 125);  
box-shadow:4px 4px 4px 4px rgb(102, 55,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 46.232, 317.048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 55, 125) }
```

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

```
.background{ background-color: rgb(102, 55,  
125) }
```

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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