

Converting Colors

CIELCh(36, 24.411, 318.450)

Have a look what the booklet for
CIELCh(36, 24.411, 318.450)
contains.

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Color

CIELCh(36, 24.724, 318.619)

Conversions

Conversions Part 1

Format	Color
Hex	664B6F
RGB	102, 75, 111
RGB Percent	40%, 29%, 44%
CMY	0.5999, 0.7058, 0.5646
CMYK	0.08, 0.32, 0.00, 0.56
HSL	285°, 19%, 36%
HSV	285°, 32%, 44%
XYZ	10.8687, 9.0082, 16.2099
YIQ	87.1770, 4.5360, 16.9200

Conversions

Conversions Part 2

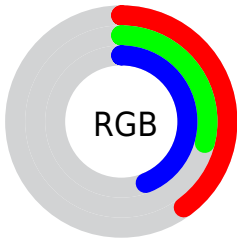
Format	Color
R_{YB}	102, 75, 111
Decimal	6703983
CIE _{Lab}	36.00, 18.55, -16.34
CIE _{LCh}	36, 24.724, 318.619
Yxy	9.0082, 0.3012, 0.2496
Android (android.graphics.Color)	4284894063 (0xFF664B6F)
YUV	87.1770, 11.7447, 12.9998
Hunter-Lab	30.0136, 12.1159, -11.0120

Details

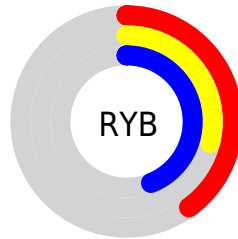
The CIELCh color $[36, 24.724, 318.619]$ is a dark color, and the websafe version is hex `#663366`. A complement of this color would be $[44, 24.275, 135.755]$, and the grayscale version is $[37, 0.005, 296.813]$.

A 20% lighter version of the original color is $[56, 25.016, 318.902]$, and $[16, 24.837, 318.513]$ is the 20% darker color. If you saturate the color by 10%, you get $[33, 32.364, 319.012]$, and if you desaturate by 10%, it is $[39, 17.016, 318.205]$.

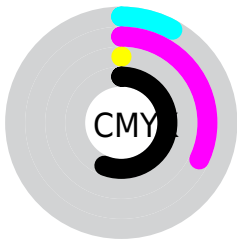
Distribution



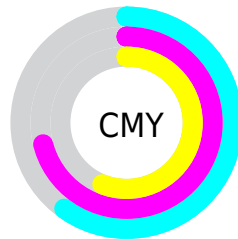
- Red (40%)
- Green (29%)
- Blue (44%)



- Red (40%)
- Yellow (29%)
- Blue (44%)



- Cyan (8%)
- Magenta (32%)
- Yellow (0%)
- Black (56%)



- Cyan (60%)
- Magenta (71%)
- Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 24.724, 318.619 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 36, 24.724, 318.619 by changing the saturation by 10% instead.


 36, 24.724,
318.619

 36, 24.724,
318.619

 100, 24.724,
318.619


 26, 24.724,
318.619

 56, 24.724,
318.619

 16, 24.724,
318.619


 66, 24.724,
318.619

 6, 24.724, 318.619

 76, 24.724,
318.619

 0, 24.724, 318.619

 86, 24.724,
318.619

 96, 24.724,
318.619

■ 36, 24.724,
318.619

■ 36, 24.724,
318.619

■ 33, 32.364,
319.012

■ 39, 17.016,
318.205

■ 30, 39.773,
319.359

■ 43, 9.355, 317.784

■ 46, 1.813, 317.322

■ 27, 46.717,
319.629

■ 49, 5.568, 137.026

■ 25, 52.898,
319.781

■ 53, 12.765,
136.648

■ 23, 57.977,
319.769

■ 56, 19.766,
136.304

■ 21, 61.672,
319.549

■ 60, 26.571,
135.988

■ 20, 64.187,
319.367

■ 63, 33.183,
135.699

■ 67, 39.606,
135.436

Harmonies

Complementary

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



36, 24.724, 318.619



44, 24.275, 135.755

Rectangle

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



36, 24.724, 318.619



36, 24.724, 8.619



36, 24.724, 138.619



36, 24.724, 188.619

Sweetspot

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



36, 24.723, 318.619



56, 9.372, 317.692



36, 16.635, 280.675



29, 6.450, 317.738



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



36, 24.723, 318.619



44, 37.118, 318.922



37, 22.399, 333.771



22, 4.258, 317.638



22, 67.812, 319.299



48, 116.077, 318.839

Inverse Universe

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



36, 16.738, 2.977



44, 25.375, 4.108



44, 22.264, 149.328



22, 2.796, 0.253



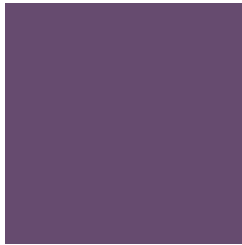
24, 50.744, 23.104



52, 88.739, 26.599

Previews

White Background



This preview shows how the CIELCh color 36, 24.724, 318.619 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 36, 24.724, 318.619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

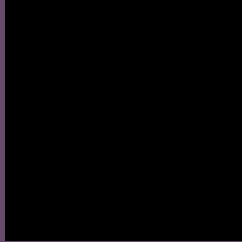
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 24.724, 318.619

Background



This preview shows how black text looks on a background with the CIELCh color 36, 24.724, 318.619.



This preview shows how white text looks on a background with the CIELCh color 36, 24.724, 318.619.

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

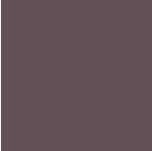
36, 24.724, 318.619

Protanopia

36, 21.213, 284.983

Deuteranopia

36, 16.173, 288.817



Tritanopia
36, 8.644, 355.358

Trichromacy



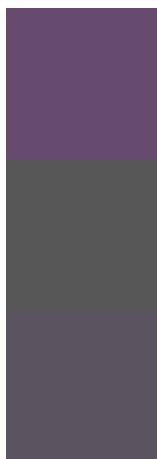
Original Color
36, 24.724, 318.619

Protanomaly
36, 21.234, 297.509

Deuteranomaly
36, 18.993, 302.363

Tritanomaly
36, 13.740, 331.427

Monochromacy



Original Color
36, 24.724, 318.619

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 8.917, 316.006

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 24.724, 318.619 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, 75, 111)` looks like.

```
.text, #text, p{  
    color:rgb(102, 75, 111)  
}
```

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, 75, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 75, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 24.724, 318.619 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, 75, 111) }
```

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

```
.border{ border-color:rgb(102, 75, 111) }
```

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

Here you see how a box with a 4 pixel rgb(102, 75, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 75, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 75, 111);  
box-shadow:4px 4px 4px 4px rgb(102, 75,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 24.724, 318.619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 75, 111) }
```

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

```
.background{ background-color: rgb(102, 75,  
111) }
```

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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