

Converting Colors

CIELCh(24, 20.822, 306.345)

Have a look what the booklet for
CIELCh(24, 20.822, 306.345)
contains.

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Color

CIELCh(24, 20.446, 306.316)

Conversions

Conversions Part 1

Format	Color
Hex	3F3452
RGB	63, 52, 82
RGB Percent	25%, 20%, 32%
CMY	0.7536, 0.7967, 0.6791
CMYK	0.23, 0.37, 0.00, 0.68
HSL	262°, 22%, 26%
HSV	262°, 37%, 32%
XYZ	4.7772, 4.1002, 8.4890
YIQ	58.7090, -3.0740, 11.6620

Conversions

Conversions Part 2

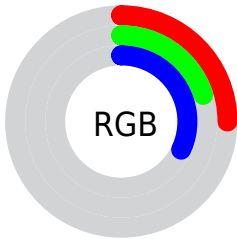
Format	Color
RYB	63, 52, 82
Decimal	4142162
CIELab	24.00, 12.11, -16.47
CIELCh	24, 20.446, 306.316
Yxy	4.1002, 0.2751, 0.2361
Android (android.graphics.Color)	4282332242 (0xFF3F3452)
YUV	58.7090, 11.4825, 3.7632
Hunter-Lab	20.2490, 6.6770, -10.6819

Details

The CIELCh color **24, 20.446, 306.316** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **33, 19.224, 122.518**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 20.382, 305.575**, and **4, 20.415, 306.473** is the 20% darker color. If you saturate the color by 10%, you get **21, 26.349, 306.988**, and if you desaturate by 10%, it is **27, 14.659, 305.686**.

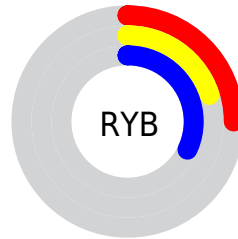
Distribution



Red (25%)

Green (20%)

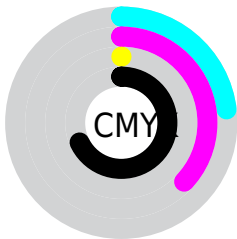
Blue (32%)



Red (25%)

Yellow (20%)

Blue (32%)

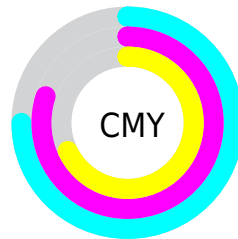


Cyan (23%)

Magenta (37%)

Yellow (0%)

Black (68%)



Cyan (75%)


Magenta (80%)


Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 20.446, 306.316 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 24, 20.446, 306.316 by changing the saturation by 10% instead.

 24, 20.446,
306.316


 24, 20.446,
306.316

 100, 20.446,
306.316


 14, 20.446,
306.316


 44, 20.446,
306.316


 4, 20.446, 306.316

 54, 20.446,
306.316

 0, 20.446, 306.316

 64, 20.446,
306.316

 74, 20.446,
306.316

 84, 20.446,
306.316

 94, 20.446,

306.316

■ 24, 20.446,
306.316

■ 24, 20.446,
306.316

■ 21, 26.349,
306.988

■ 27, 14.659,
305.686

■ 18, 32.304,
307.682

■ 30, 9.023, 305.109

■ 16, 38.191,
308.360

■ 33, 3.549, 304.582

■ 36, 1.757, 124.151

■ 13, 43.804,
308.960

■ 39, 6.900, 123.723

■ 11, 48.829,
309.390

■ 42, 11.886,
123.358

■ 9, 53.714, 309.896

■ 45, 16.720,
123.039

■ 8, 55.610, 310.199

■ 47, 21.411,
122.760

■ 50, 25.967,
122.517

Harmonies

Complementary

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



24, 20.446, 306.316



33, 19.224, 122.518

Rectangle

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



24, 20.446, 306.316



24, 20.446, 356.316



24, 20.446, 126.316



24, 20.446, 176.316

Sweetspot

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



24, 20.445, 306.316



41, 7.389, 304.827



29, 9.884, 241.969



20, 4.912, 304.862



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



24, 20.445, 306.316



29, 31.004, 306.915



26, 22.212, 321.810



15, 2.987, 304.688



12, 66.182, 309.850



33, 119.665, 309.150

Inverse Universe

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



26, 17.962, 339.775



32, 26.791, 340.559



32, 21.983, 138.366



15, 2.704, 337.640



21, 46.581, 348.555



51, 82.468, 350.522

Previews

White Background



This preview shows how the CIELCh color 24, 20.446, 306.316 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 24, 20.446, 306.316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

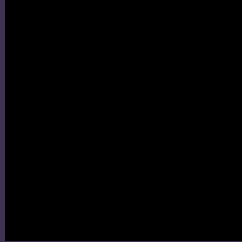
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 20.446, 306.316

Background



This preview shows how black text looks on a background with the CIELCh color 24, 20.446, 306.316.



This preview shows how white text looks on a background with the CIELCh color 24, 20.446, 306.316.

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


24, 20.446, 306.316

Protanopia

24, 19.363, 284.613

Deuteranopia

24, 16.056, 282.761



Tritanopia
24, 3.598, 312.761

Trichromacy



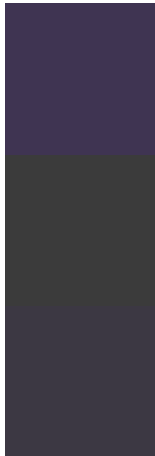
Original Color
24, 20.446, 306.316

Protanomaly
24, 19.929, 293.240

Deuteranomaly
24, 17.251, 292.490

Tritanomaly
24, 10.346, 306.528

Monochromacy



Original Color
24, 20.446, 306.316

Achromatopsia
25, 0.004, 296.813

Achromatomaly
24, 7.524, 304.964

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 20.446, 306.316 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(63, 52, 82)` looks like.

```
.text, #text, p{  
    color:rgb(63, 52, 82)  
}
```

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(63, 52, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 52, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 20.446, 306.316 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(63, 52, 82) }
```

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

```
.border{ border-color:rgb(63, 52, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 52, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 52, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 52, 82);  
box-shadow:4px 4px 4px 4px rgb(63, 52, 82)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 20.446, 306.316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 52, 82) }
```

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

```
.background{ background-color: rgb(63, 52,  
82) }
```

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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