

Converting Colors

CIELCh(21, 35.855, 209.516)

Have a look what the booklet for
CIELCh(21, 35.855, 209.516)
contains.

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Color

CIELCh(24, 18.138, 228.421)

Conversions

Conversions Part 1

Format	Color
Hex	023F4D
RGB	2, 63, 77
RGB Percent	1%, 25%, 30%
CMY	0.9940, 0.7530, 0.6979
CMYK	0.98, 0.18, 0.00, 0.70
HSL	191°, 96%, 15%
HSV	191°, 98%, 30%
XYZ	3.1365, 4.1002, 7.6517
YIQ	46.3570, -40.8500, -8.5780

Conversions

Conversions Part 2

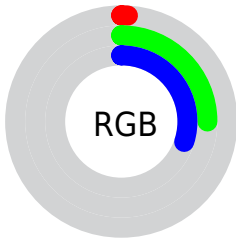
Format	Color
R_{YB}	2, 36, 77
Decimal	147277
CIE Lab	24.00, -12.04, -13.57
CIE LCh	24, 18.138, 228.421
Yxy	4.1002, 0.2107, 0.2754
Android (android.graphics.Color)	4278337357 (0xFF023F4D)
YUV	46.3570, 15.1070, -38.9011
Hunter-Lab	20.2490, -7.7863, -8.2304

Details

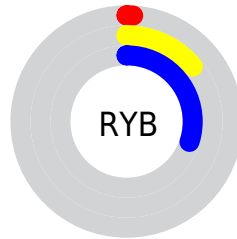
The CIELCh color **24, 18.138, 228.421** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **15, 35.948, 38.993**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 18.118, 227.866**, and **6, 11.060, 254.653** is the 20% darker color. If you saturate the color by 10%, you get **24, 18.305, 228.819**, and if you desaturate by 10%, it is **25, 17.328, 226.266**.

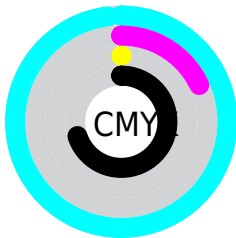
Distribution



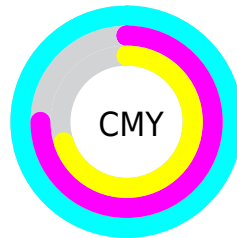
- Red (1%)
- Green (25%)
- Blue (30%)



- Red (1%)
- Yellow (14%)
- Blue (30%)



- Cyan (98%)
- Magenta (18%)
- Yellow (0%)
- Black (70%)





- Cyan (99%)
- Magenta (75%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 18.138, 228.421 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, 18.138, 228.421 by changing the saturation by 10% instead.

 24, 18.138,
228.421


 24, 18.138,
228.421

 100, 18.138,
228.421


 14, 18.138,
228.421


 44, 18.138,
228.421


 4, 18.138, 228.421

 54, 18.138,
228.421

 0, 18.138, 228.421

 64, 18.138,
228.421

 74, 18.138,
228.421

 84, 18.138,
228.421

 94, 18.138,

228.421

■ 24, 18.138,
228.421

■ 24, 18.138,
228.421

■ 24, 18.305,
228.819

■ 25, 17.328,
226.266

■ 25, 16.431,
224.151

■ 26, 15.220,
222.453

■ 27, 13.694,
221.115

■ 28, 11.871,
220.082

■ 29, 9.781, 219.301

■ 30, 7.457, 218.728

■ 31, 4.936, 218.331

■ 32, 2.251, 218.115

Harmonies

Complementary

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



24, 18.138, 228.421



15, 35.948, 38.993

Rectangle

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



24, 18.138, 228.421



24, 18.138, 278.421



24, 18.138, 48.421



24, 18.138, 98.421

Sweetspot

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



24, 18.137, 228.421



38, 9.474, 218.829



28, 45.283, 140.084



19, 6.503, 218.958



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



24, 18.137, 228.421



31, 21.847, 230.149



11, 37.331, 293.414



15, 1.555, 218.121



32, 22.241, 230.268



70, 40.377, 233.037

Inverse Universe

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



15, 42.095, 336.204



21, 50.539, 336.685



24, 33.345, 79.835



14, 2.912, 330.482



22, 51.424, 336.717



52, 92.176, 337.460

Previews

White Background



This preview shows how the CIELCh color 24, 18.138, 228.421 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, 18.138, 228.421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

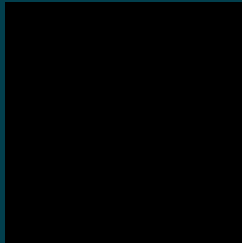
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

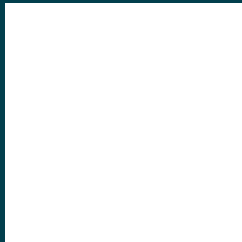
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 24, 18.138, 228.421

Background



This preview shows how black text looks on a background with the CIELCh color 24, 18.138, 228.421.



This preview shows how white text looks on a background with the CIELCh color 24, 18.138, 228.421.

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, 18.082, 228.456

Protanopia

24, 10.635, 285.839

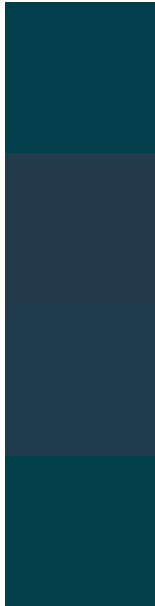
Deuteranopia

24, 14.020, 283.580



Tritanopia
24, 18.002, 207.377

Trichromacy



Original Color
24, 18.082, 228.456

Protanomaly
24, 12.876, 249.687

Deuteranomaly
24, 15.071, 256.078

Tritanomaly
24, 17.801, 214.348

Monochromacy



Original Color
24, 18.082, 228.456

Achromatopsia
19, 0.004, 296.813

Achromatomaly
20, 9.228, 219.727

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 18.138, 228.421 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(2, 63, 77)` looks like.

```
.text, #text, p{  
    color:rgb(2, 63, 77)  
}
```

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(2, 63, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 63, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 18.138, 228.421 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(2, 63, 77) }
```

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

```
.border{ border-color:rgb(2, 63, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 63, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 63, 77); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 63, 77); box-shadow:4px  
4px 4px 4px rgb(2, 63, 77) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 18.138, 228.421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 63, 77) }
```

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

```
.background{ background-color: rgb(2, 63,  
77) }
```

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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