

Converting Colors

CIELCh(21, 46.460, 201.702)

Have a look what the booklet for
CIELCh(21, 46.460, 201.702)
contains.

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Color

CIELCh(25, 18.180, 218.467)

Conversions

Conversions Part 1

Format	Color
Hex	01424C
RGB	1, 66, 76
RGB Percent	0%, 26%, 30%
CMY	0.9945, 0.7415, 0.7023
CMYK	0.98, 0.13, 0.00, 0.70
HSL	188°, 96%, 15%
HSV	188°, 98%, 30%
XYZ	3.2622, 4.4155, 7.5040
YIQ	47.7050, -41.9500, -10.6700

Conversions

Conversions Part 2

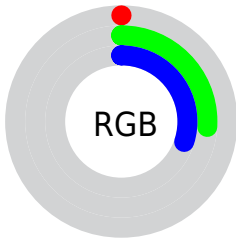
Format	Color
R_YB	1, 36, 76
Decimal	82508
CIE _{Lab}	25.00, -14.23, -11.31
CIE _{LCh}	25, 18.180, 218.467
Yxy	4.4155, 0.2149, 0.2908
Android (android.graphics.Color)	4278272588 (0xFF01424C)
YUV	47.7050, 13.9494, -40.9603
Hunter-Lab	21.0130, -9.0616, -6.4640

Details

The CIELCh color **25, 18.180, 218.467** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **14, 36.263, 36.412**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 18.212, 219.002**, and **7, 9.976, 236.986** is the 20% darker color. If you saturate the color by 10%, you get **25, 18.320, 218.714**, and if you desaturate by 10%, it is **26, 17.445, 217.032**.

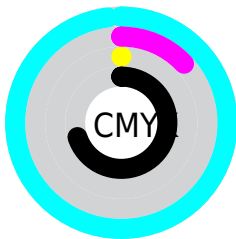
Distribution



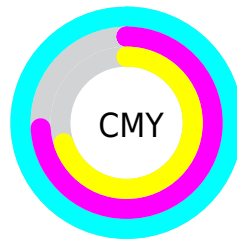
- Red (0%)
- Green (26%)
- Blue (30%)



- Red (0%)
- Yellow (14%)
- Blue (30%)



- Cyan (98%)
- Magenta (13%)
- Yellow (0%)
- Black (70%)





- Cyan (99%)
- Magenta (74%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 18.180, 218.467 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 25, 18.180, 218.467 by changing the saturation by 10% instead.

 25, 18.180,
218.467


 25, 18.180,
218.467

 100, 18.180,
218.467


 15, 18.180,
218.467


 45, 18.180,
218.467


 5, 18.180, 218.467

 55, 18.180,
218.467

 0, 18.180, 218.467

 65, 18.180,
218.467

 75, 18.180,
218.467

 85, 18.180,
218.467

 95, 18.180,

218.467

■ 25, 18.180,
218.467

■ 25, 18.180,
218.467

■ 25, 18.320,
218.714

■ 26, 17.445,
217.032

■ 26, 16.613,
215.624

■ 27, 15.443,
214.520

■ 27, 13.935,
213.681

■ 28, 12.112,
213.068

■ 29, 10.004,
212.642

■ 30, 7.647, 212.375

■ 31, 5.081, 212.244

■ 31, 2.340, 212.260

Harmonies

Complementary

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



25, 18.180, 218.467



14, 36.263, 36.412

Rectangle

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



25, 18.180, 218.467



25, 18.180, 268.467



25, 18.180, 38.467



25, 18.180, 88.467

Sweetspot

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



25, 18.180, 218.466



39, 9.785, 212.416



27, 46.066, 138.965



19, 6.714, 212.474



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



25, 18.180, 218.466



33, 22.011, 219.694



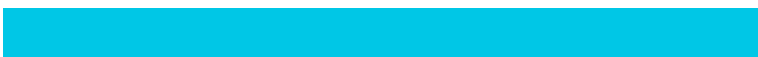
12, 34.055, 290.121



15, 1.609, 212.254



34, 22.402, 219.776



74, 40.392, 221.713

Inverse Universe

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



15, 43.252, 333.681



21, 52.457, 334.017



23, 32.394, 75.280



14, 3.019, 328.768



22, 53.382, 334.037



53, 95.920, 334.520

Previews

White Background



This preview shows how the CIE LCh color 25, 18.180, 218.467 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 25, 18.180, 218.467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

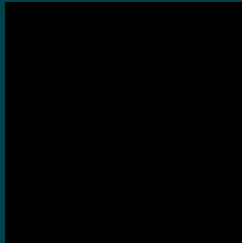
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 18.180, 218.467

Background



This preview shows how black text looks on a background with the CIELCh color 25, 18.180, 218.467.



This preview shows how white text looks on a background with the CIELCh color 25, 18.180, 218.467.

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
25, 18.241, 218.344

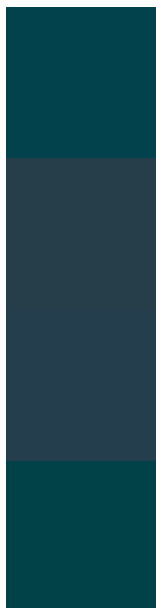
Protanopia
25, 7.933, 285.781

Deuteranopia
25, 12.531, 287.286



Tritanopia
25, 18.325, 209.304

Trichromacy



Original Color
25, 18.241, 218.344

Protanomaly
25, 11.513, 237.653

Deuteranomaly
25, 13.228, 247.258

Tritanomaly
25, 18.172, 211.644

Monochromacy



Original Color
25, 18.241, 218.344

Achromatopsia
20, 0.004, 296.813

Achromatomaly
21, 9.672, 209.941

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 18.180, 218.467 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(1, 66, 76)` looks like.

```
.text, #text, p{  
    color:rgb(1, 66, 76)  
}
```

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(1, 66, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 66, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 18.180, 218.467 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(1, 66, 76) }
```

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

```
.border{ border-color:rgb(1, 66, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 66, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 66, 76); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 66, 76); box-shadow:4px  
4px 4px 4px rgb(1, 66, 76) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 18.180, 218.467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 66, 76) }
```

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

```
.background{ background-color: rgb(1, 66,  
76) }
```

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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