

Converting Colors

CIELCh(24, 14.551, 164.440)

Have a look what the booklet for
CIELCh(24, 14.551, 164.440)
contains.

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Color

CIELCh(24, 14.807, 164.453)

Conversions

Conversions Part 1

Format	Color
Hex	223F33
RGB	34, 63, 51
RGB Percent	13%, 25%, 20%
CMY	0.8676, 0.7539, 0.8009
CMYK	0.46, 0.00, 0.19, 0.75
HSL	155°, 30%, 19%
HSV	155°, 46%, 25%
XYZ	3.0076, 4.1002, 3.7372
YIQ	52.9610, -13.4320, -9.8800

Conversions

Conversions Part 2

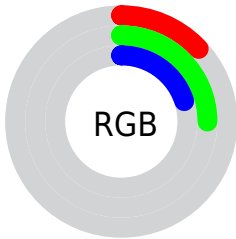
Format	Color
R_{YB}	34, 52, 63
Decimal	2244403
CIE _{Lab}	24.00, -14.27, 3.97
CIE _{LCh}	24, 14.807, 164.453
Yxy	4.1002, 0.2773, 0.3781
Android (android.graphics.Color)	4280434483 (0xFF223F33)
YUV	52.9610, -0.9668, -16.6288
Hunter-Lab	20.2490, -8.9227, 3.2316




Details

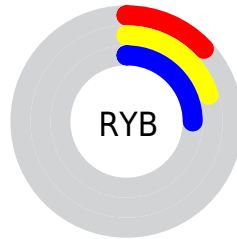
The CIELCh color **24, 14.807, 164.453** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **17, 15.947, 353.046**, and the grayscale version is **22, 0.004, 296.813**.




A 20% lighter version of the original color is **44, 15.063, 163.874**, and **5, 11.406, 150.155** is the 20% darker color. If you saturate the color by 10%, you get **24, 17.700, 163.296**, and if you desaturate by 10%, it is **24, 11.755, 165.501**.

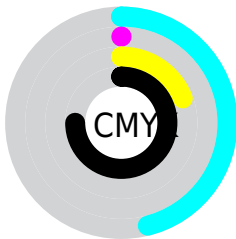
Distribution







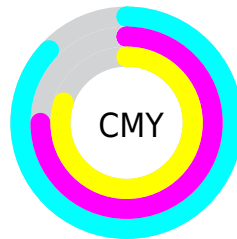
-  Red (13%)
-  Green (25%)
-  Blue (20%)






-  Red (13%)
-  Yellow (20%)
-  Blue (25%)



-  Cyan (46%)
-  Magenta (0%)
-  Yellow (19%)
-  Black (75%)




-  Cyan (87%)
-  Magenta (75%)
-  Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 14.807, 164.453 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, 14.807, 164.453 by changing the saturation by 10% instead.

 24, 14.807,
164.453


 24, 14.807,
164.453

 100, 14.807,
164.453

 14, 14.807,
164.453


 44, 14.807,
164.453


 4, 14.807, 164.453

 54, 14.807,
164.453

 0, 14.807, 164.453

 64, 14.807,
164.453

 74, 14.807,
164.453

 84, 14.807,
164.453

 94, 14.807,

164.453

■ 24, 14.807,
164.453

■ 24, 14.807,
164.453

■ 24, 17.700,
163.296

■ 24, 11.755,
165.501

■ 23, 20.392,
162.016

■ 25, 8.584, 166.459

■ 23, 22.846,
160.595

■ 26, 5.336, 167.346

■ 26, 2.046, 168.210

■ 23, 25.043,
159.030

■ 27, 1.255, 348.711

■ 23, 27.193,
157.624

■ 28, 4.543, 349.521

■ 28, 7.797, 350.196

■ 23, 28.023,
157.160

■ 29, 11.003,

350.824

■ 30, 14.150,
351.415

Harmonies

Complementary

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



24, 14.807, 164.453



17, 15.947, 353.046

Rectangle

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



24, 14.807, 164.453



24, 14.807, 214.453



24, 14.807, 344.453



24, 14.807, 34.453

Sweetspot

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



24, 14.807, 164.452



34, 5.740, 167.482



24, 20.420, 130.055



16, 3.894, 167.408



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



24, 14.807, 164.452



31, 21.504, 163.147



24, 10.482, 206.577



11, 1.793, 168.015



35, 37.979, 155.582



78, 73.355, 153.637

Inverse Universe

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



17, 15.947, 353.046



21, 23.497, 354.630



18, 14.124, 29.393



10, 1.819, 349.170



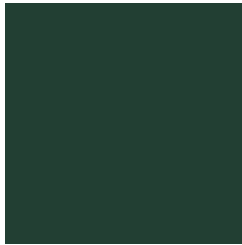
18, 40.791, 6.742



47, 76.258, 11.034

Previews

White Background



This preview shows how the CIELCh color 24, 14.807, 164.453 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, 14.807, 164.453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

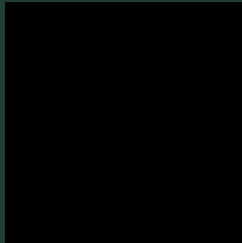
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 14.807, 164.453

Background



This preview shows how black text looks on a background with the CIELCh color 24, 14.807, 164.453.



This preview shows how white text looks on a background with the CIELCh color 24, 14.807, 164.453.

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, 14.807, 164.453

Protanopia

24, 6.108, 95.158

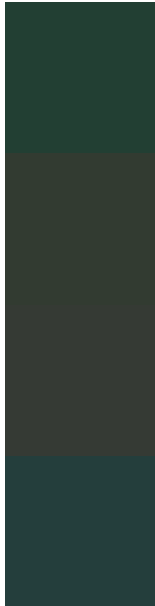
Deuteranopia

24, 4.738, 44.714



Tritanopia
24, 9.510, 218.554

Trichromacy



Original Color

24, 14.807, 164.453

Protanomaly

24, 7.859, 140.942

Deuteranomaly

24, 4.616, 139.396

Tritanomaly

24, 10.687, 190.406

Monochromacy



Original Color

24, 14.807, 164.453

Achromatopsia

22, 0.004, 296.813

Achromatomaly

23, 6.033, 164.729

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 14.807, 164.453 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(34, 63, 51)` looks like.

```
.text, #text, p{  
    color:rgb(34, 63, 51)  
}
```

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(34, 63, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 63, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 14.807, 164.453 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(34, 63, 51) }
```

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

```
.border{ border-color:rgb(34, 63, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 63, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 63, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 63, 51);  
box-shadow:4px 4px 4px 4px rgb(34, 63, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 14.807, 164.453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 63, 51) }
```

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

```
.background{ background-color: rgb(34, 63,  
51) }
```

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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