

Converting Colors

CIELCh(29, 13.622, 200.566)

Have a look what the booklet for
CIELCh(29, 13.622, 200.566)
contains.

CIELCh(29, 13.442, 200.189)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(29, 13.442, 200.189)

Conversions

Conversions Part 1

Format	Color
Hex	264A4B
RGB	38, 74, 75
RGB Percent	15%, 29%, 29%
CMY	0.8505, 0.7093, 0.7054
CMYK	0.49, 0.01, 0.00, 0.71
HSL	182°, 33%, 22%
HSV	182°, 49%, 29%
XYZ	4.5350, 5.8380, 7.5663
YIQ	63.3500, -21.7770, -7.3210

Conversions

Conversions Part 2

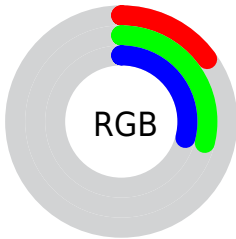
Format	Color
RYB	38, 56, 75
Decimal	2509387
CIELab	29.00, -12.62, -4.64
CIELCh	29, 13.442, 200.189
Yxy	5.8380, 0.2528, 0.3254
Android (android.graphics.Color)	4280699467 (0xFF264A4B)
YUV	63.3500, 5.7435, -22.2319
Hunter-Lab	24.1619, -8.7804, -1.6534




Details

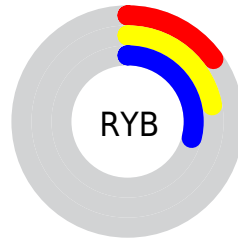
The CIELCh color **29, 13.442, 200.189** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **20, 18.586, 25.815**, and the grayscale version is **27, 0.004, 296.813**.




A 20% lighter version of the original color is **49, 13.533, 200.503**, and **9, 11.316, 200.721** is the 20% darker color. If you saturate the color by 10%, you get **29, 15.393, 200.052**, and if you desaturate by 10%, it is **29, 11.177, 200.396**.

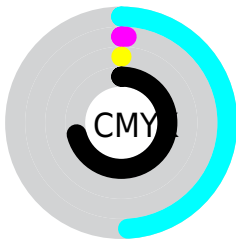
Distribution







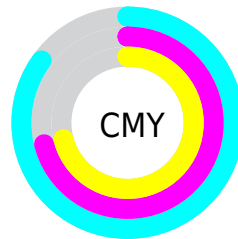
-  Red (15%)
-  Green (29%)
-  Blue (29%)






-  Red (15%)
-  Yellow (22%)
-  Blue (29%)



-  Cyan (49%)
-  Magenta (1%)
-  Yellow (0%)
-  Black (71%)





-  Cyan (85%)
-  Magenta (71%)
-  Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 13.442, 200.189 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 29, 13.442, 200.189 by changing the saturation by 10% instead.

 29, 13.442,
200.189


 29, 13.442,
200.189

 100, 13.442,
200.189


 19, 13.442,
200.189


 49, 13.442,
200.189


 9, 13.442, 200.189

 59, 13.442,
200.189

 0, 13.442, 200.189

 69, 13.442,
200.189

 79, 13.442,
200.189

 89, 13.442,
200.189

 99, 13.442,

200.189

■ 29, 13.442,
200.189

■ 29, 13.442,
200.189

■ 29, 15.393,
200.052

■ 29, 11.177,
200.396

■ 28, 17.001,
199.998

■ 30, 8.635, 200.672

■ 28, 18.247,
200.032

■ 31, 5.857, 201.012

■ 31, 2.886, 201.433

■ 28, 19.142,
200.154

■ 32, 0.239, 20.599

■ 28, 19.954,
200.282

■ 33, 3.482, 22.113

■ 34, 6.811, 22.618

■ 28, 20.016,
200.290

■ 35, 10.199, 23.116

Harmonies

Complementary

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



29, 13.442, 200.189



20, 18.586, 25.815

Rectangle

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



29, 13.442, 200.189



29, 13.442, 250.189



29, 13.442, 20.189



29, 13.442, 70.189

Sweetspot

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



29, 13.442, 200.187



40, 5.691, 201.156



28, 28.250, 141.396



19, 3.820, 201.115



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



29, 13.442, 200.187



37, 18.733, 200.035



23, 14.035, 265.196



15, 1.770, 201.462



38, 24.679, 200.466



81, 44.550, 200.772

Inverse Universe

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



22, 27.961, 327.559



26, 40.367, 328.060



26, 15.726, 71.559



14, 3.252, 325.573



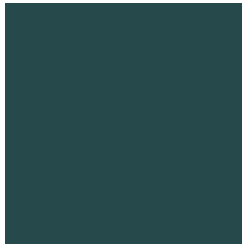
23, 57.804, 329.273



54, 104.455, 329.350

Previews

White Background



This preview shows how the CIELCh color 29, 13.442, 200.189 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 29, 13.442, 200.189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

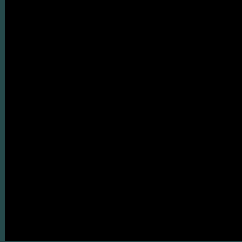
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

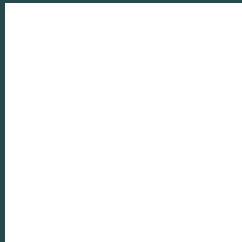
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 29, 13.442, 200.189

Background



This preview shows how black text looks on a background with the CIELCh color 29, 13.442, 200.189.



This preview shows how white text looks on a background with the CIELCh color 29, 13.442, 200.189.

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](#).

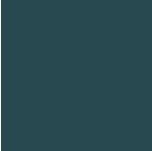
Dichromacy



Original Color
29, 13.442, 200.189

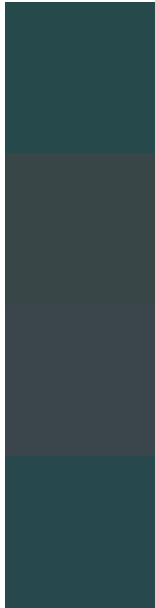
Protanopia
29, 1.935, 290.563

Deuteranopia
29, 7.444, 308.074



Tritanopia
29, 12.586, 215.768

Trichromacy



Original Color
29, 13.442, 200.189

Protanomaly
29, 5.543, 212.144

Deuteranomaly
29, 6.011, 247.908

Tritanomaly
29, 12.796, 212.358

Monochromacy



Original Color
29, 13.442, 200.189

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 5.521, 198.545

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 13.442, 200.189 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(38, 74, 75)` looks like.

```
.text, #text, p{  
    color:rgb(38, 74, 75)  
}
```

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(38, 74, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 74, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 13.442, 200.189 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(38, 74, 75) }
```

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

```
.border{ border-color:rgb(38, 74, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 74, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 74, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 74, 75);  
box-shadow:4px 4px 4px 4px rgb(38, 74, 75)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 13.442, 200.189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 74, 75) }
```

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

```
.background{ background-color: rgb(38, 74,  
75) }
```

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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