

Converting Colors

CIELCh(20, 14.520, 222.474)

Have a look what the booklet for
CIELCh(20, 14.520, 222.474)
contains.

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Color

CIELCh(20, 14.513, 222.504)

Conversions

Conversions Part 1

Format	Color
Hex	0A353E
RGB	10, 53, 62
RGB Percent	4%, 21%, 24%
CMY	0.9592, 0.7911, 0.7558
CMYK	0.83, 0.14, 0.00, 0.76
HSL	190°, 71%, 14%
HSV	190°, 83%, 24%
XYZ	2.2929, 2.9891, 5.0535
YIQ	41.1690, -28.5170, -6.3170

Conversions

Conversions Part 2

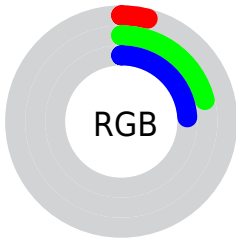
Format	Color
RYB	10, 34, 62
Decimal	668990
CIELab	20.00, -10.70, -9.81
CIELCh	20, 14.513, 222.504
Yxy	2.9891, 0.2218, 0.2892
Android (android.graphics.Color)	4278859070 (0xFF0A353E)
YUV	41.1690, 10.2697, -27.3352
Hunter-Lab	17.2889, -6.5822, -5.2283

Details

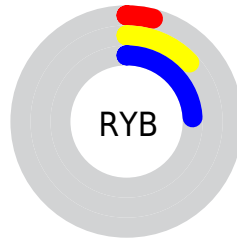
The CIELCh color **20, 14.513, 222.504** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **13, 25.495, 37.008**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 14.340, 220.621**, and **1, 8.892, 288.391** is the 20% darker color. If you saturate the color by 10%, you get **19, 15.324, 224.193**, and if you desaturate by 10%, it is **21, 13.577, 220.909**.

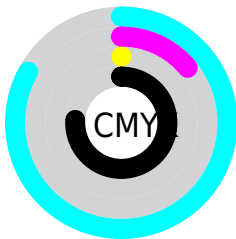
Distribution



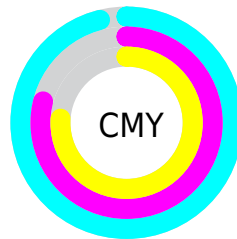
- Red (4%)
- Green (21%)
- Blue (24%)



- Red (4%)
- Yellow (13%)
- Blue (24%)



- Cyan (83%)
- Magenta (14%)
- Yellow (0%)
- Black (76%)





- Cyan (96%)
- Magenta (79%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 14.513, 222.504 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 20, 14.513, 222.504 by changing the saturation by 10% instead.


 20, 14.513,
222.504


 20, 14.513,
222.504


 100, 14.513,
222.504


 10, 14.513,
222.504


 40, 14.513,
222.504

 0, 14.513, 222.504

 50, 14.513,
222.504

 60, 14.513,
222.504

 70, 14.513,
222.504

 80, 14.513,
222.504

 90, 14.513,

222.504

■ 20, 14.513,
222.504

■ 20, 14.513,
222.504

■ 19, 15.324,
224.193

■ 21, 13.577,
220.909

■ 19, 15.900,
225.191

■ 21, 12.379,
219.645

■ 22, 10.931,
218.662

■ 23, 9.253, 217.914

■ 23, 7.371, 217.363

■ 24, 5.314, 216.976

■ 25, 3.111, 216.738

■ 26, 0.787, 216.800

■ 27, 1.633, 36.265

Harmonies

Complementary

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



20, 14.513, 222.504



13, 25.495, 37.008

Rectangle

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



20, 14.513, 222.504



20, 14.513, 272.504



20, 14.513, 42.504



20, 14.513, 92.504

Sweetspot

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



20, 14.513, 222.503



32, 7.088, 217.071



22, 34.620, 141.849



15, 4.736, 217.115



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



20, 14.513, 222.503



26, 19.034, 226.695



11, 25.364, 287.120



11, 1.295, 216.689



30, 21.037, 227.397



69, 39.232, 230.249

Inverse Universe

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



13, 33.234, 334.408



16, 44.606, 335.784



20, 24.278, 80.941



10, 2.424, 330.031



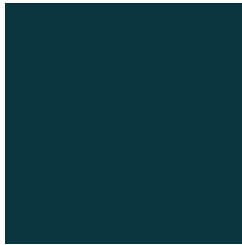
20, 49.183, 335.965



51, 90.719, 336.712

Previews

White Background



This preview shows how the CIELCh color 20, 14.513, 222.504 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 CIE LCh color 20, 14.513, 222.504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

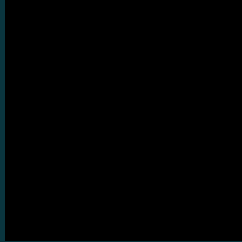
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

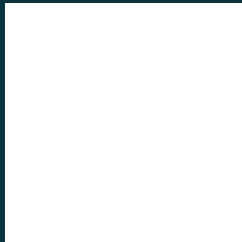
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 20, 14.513, 222.504

Background



This preview shows how black text looks on a background with the CIELCh color 20, 14.513, 222.504.



This preview shows how white text looks on a background with the CIELCh color 20, 14.513, 222.504.

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
20, 14.513, 222.504

Protanopia
20, 7.518, 285.411

Deuteranopia
20, 10.918, 286.262



Tritanopia
20, 16.157, 206.447

Trichromacy



Original Color
20, 14.513, 222.504

Protanomaly
20, 9.336, 245.820

Deuteranomaly
20, 10.933, 253.276

Tritanomaly
20, 15.428, 212.384

Monochromacy



Original Color
20, 14.513, 222.504

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 6.816, 222.449

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 14.513, 222.504 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(10, 53, 62)` looks like.

```
.text, #text, p{  
  color:rgb(10, 53, 62)  
}
```

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(10, 53, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 53, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 14.513, 222.504 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(10, 53, 62) }
```

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

```
.border{ border-color:rgb(10, 53, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 53, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 53, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 53, 62);  
box-shadow:4px 4px 4px 4px rgb(10, 53, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 14.513, 222.504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 53, 62) }
```

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

```
.background{ background-color: rgb(10, 53,  
62) }
```

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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