

Converting Colors

CIELCh(10, 6.139, 220.941)

Have a look what the booklet for
CIELCh(10, 6.139, 220.941) contains.

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Color

CIELCh(10, 6.393, 218.366)

Conversions

Conversions Part 1

Format	Color
Hex	101E21
RGB	16, 30, 33
RGB Percent	6%, 12%, 13%
CMY	0.9386, 0.8837, 0.8720
CMYK	0.52, 0.09, 0.00, 0.87
HSL	191°, 35%, 9%
HSV	191°, 52%, 13%
XYZ	0.9330, 1.1260, 1.5813
YIQ	26.1560, -9.3070, -2.0350

Conversions

Conversions Part 2

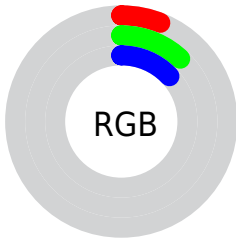
Format	Color
R_YB	16, 24, 33
Decimal	1056289
CIE Lab	10.00, -5.01, -3.97
CIE LCh	10, 6.393, 218.366
Yxy	1.1260, 0.2563, 0.3093
Android (android.graphics.Color)	4279246369 (0xFF101E21)
YUV	26.1560, 3.3741, -8.9068
Hunter-Lab	10.6114, -2.8760, -1.4073

Details

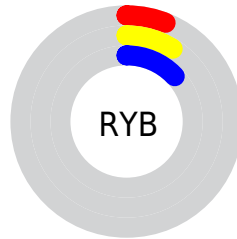
The CIELCh color **10, 6.393, 218.366** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **7, 7.903, 32.418**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **30, 6.377, 216.154**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **10, 7.355, 219.031**, and if you desaturate by 10%, it is **10, 5.328, 217.844**.

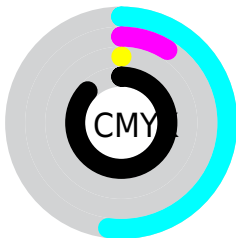
Distribution



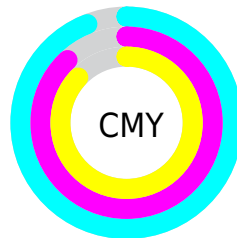
- Red (6%)
- Green (12%)
- Blue (13%)



- Red (6%)
- Yellow (9%)
- Blue (13%)



- Cyan (52%)
- Magenta (9%)
- Yellow (0%)
- Black (87%)



- Cyan (94%)
- Magenta (88%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 6.393, 218.366 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 10, 6.393, 218.366 by changing the saturation by 10% instead.

■ 10, 6.393, 218.366

■ 10, 6.393, 218.366

■ 100, 6.393,
218.366

■ 0, 6.393, 218.366

■ 30, 6.393, 218.366

■ 40, 6.393, 218.366

■ 50, 6.393, 218.366

■ 60, 6.393, 218.366

■ 70, 6.393, 218.366

■ 80, 6.393, 218.366

■ 90, 6.393, 218.366

■ 10, 6.393, 218.366

■ 10, 6.393, 218.366

■ 10, 7.355, 219.031

■ 10, 5.328, 217.844

■ 9, 8.199, 219.925

■ 11, 4.173, 217.454

■ 9, 8.981, 221.010

■ 11, 2.939, 217.176

■ 8, 9.741, 222.190

■ 12, 1.639, 217.013

■ 8, 10.328, 223.199

■ 12, 0.284, 217.352

■ 13, 1.118, 36.561

■ 14, 2.556, 36.618

■ 14, 4.024, 36.657

■ 15, 5.514, 36.716

Harmonies

Complementary

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



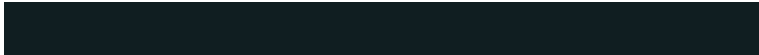
10, 6.393, 218.366



7, 7.903, 32.418

Rectangle

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



10, 6.393, 218.366



10, 6.393, 268.366



10, 6.393, 38.366



10, 6.393, 88.366

Sweetspot

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



10, 6.393, 218.363



17, 2.746, 217.082



11, 13.284, 146.918



7, 1.730, 218.290



62, 0.008, 296.813



8, 0.002, 296.812

Same Dimension

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



10, 6.393, 218.363



14, 9.187, 219.422



7, 8.760, 277.033



4, 0.463, 217.539



25, 18.626, 227.064



64, 37.196, 230.670

Inverse Universe

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



7, 13.087, 332.071



9, 19.844, 332.929



10, 8.279, 85.754



4, 0.846, 329.853



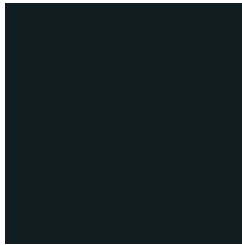
16, 43.596, 335.879



47, 85.855, 336.824

Previews

White Background



This preview shows how the CIELCh color 10, 6.393, 218.366 looks on a white background.

Color Contrast Check

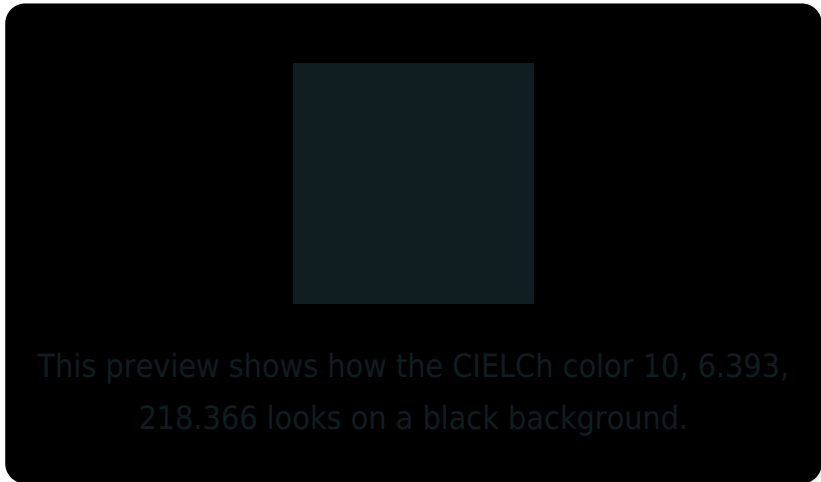
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

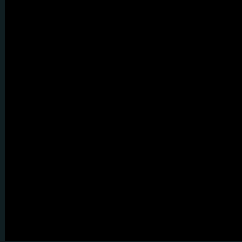
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

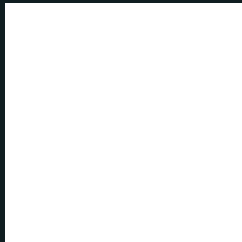
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 10, 6.393, 218.366

Background



This preview shows how black text looks on a background with the CIELCh color 10, 6.393, 218.366.

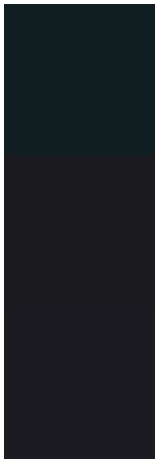


This preview shows how white text looks on a background with the CIELCh color 10, 6.393, 218.366.

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


10, 6.393, 218.366

Protanopia

10, 2.959, 291.159

Deuteranopia

10, 4.436, 291.632



Tritanopia
10, 6.645, 210.736

Trichromacy



Original Color

10, 6.393, 218.366

Protanomaly

10, 3.714, 252.031

Deuteranomaly

10, 4.295, 258.758

Tritanomaly

10, 6.645, 210.736

Monochromacy



Original Color

10, 6.393, 218.366

Achromatopsia

9, 0.003, 296.813

Achromatomaly

9, 2.526, 215.991

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 6.393, 218.366 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(16, 30, 33)` looks like.

```
.text, #text, p{  
    color:rgb(16, 30, 33)  
}
```

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(16, 30, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 30, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 6.393, 218.366 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(16, 30, 33) }
```

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

```
.border{ border-color:rgb(16, 30, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 30, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 30, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 30, 33);  
box-shadow:4px 4px 4px 4px rgb(16, 30, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 10, 6.393, 218.366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 30, 33) }
```

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

```
.background{ background-color: rgb(16, 30,  
33) }
```

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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