

Converting Colors

CIELCh(75, 20.491, 246.588)

Have a look what the booklet for
CIELCh(75, 20.491, 246.588)
contains.

CIELCh(75, 20.492, 246.519)	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(75, 20.492, 246.519)

Conversions

Conversions Part 1

Format	Color
Hex	92BFDB
RGB	146, 191, 219
RGB Percent	57%, 75%, 86%
CMY	0.4288, 0.2524, 0.1426
CMYK	0.33, 0.13, 0.00, 0.14
HSL	203°, 50%, 71%
HSV	203°, 33%, 86%
XYZ	43.0806, 48.2781, 73.8114
YIQ	180.7370, -35.8080, -0.8320

Conversions

Conversions Part 2

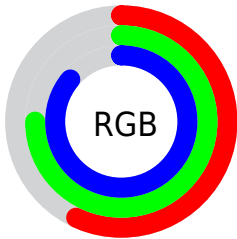
Format	Color
R_{YB}	146, 174, 219
Decimal	9617371
CIE Lab	75.00, -8.16, -18.80
CIE LCh	75, 20.492, 246.519
Yxy	48.2781, 0.2608, 0.2923
Android (android.graphics.Color)	4287807451 (0xFF92BFDB)
YUV	180.7370, 18.8637, -30.4643
Hunter-Lab	69.4824, -10.9206, -14.3462

Details

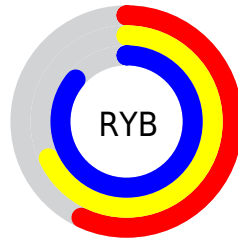
The CIELCh color **75, 20.492, 246.519** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **74, 24.122, 58.736**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 15.277, 214.252**, and **55, 20.351, 246.020** is the 20% darker color. If you saturate the color by 10%, you get **72, 26.011, 248.620**, and if you desaturate by 10%, it is **79, 14.646, 244.806**.

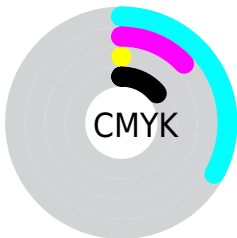
Distribution



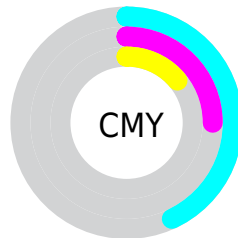
- Red (57%)
- Green (75%)
- Blue (86%)



- Red (57%)
- Yellow (68%)
- Blue (86%)



- Cyan (33%)
- Magenta (13%)
- Yellow (0%)
- Black (14%)



- Cyan (43%)
- Magenta (25%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 20.492, 246.519 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 75, 20.492, 246.519 by changing the saturation by 10% instead.

■ 75, 20.492,
246.519

■ 75, 20.492,
246.519

■ 100, 20.492,
246.519

■ 65, 20.492,
246.519

■ 95, 20.492,
246.519

■ 55, 20.492,
246.519

■ 45, 20.492,
246.519

■ 35, 20.492,
246.519

■ 25, 20.492,
246.519

■ 15, 20.492,
246.519

■ 5, 20.492, 246.519

0, 20.492, 246.519

75, 20.492,
246.519

75, 20.492,
246.519

72, 26.011,
248.620

79, 14.646,
244.806

68, 31.164,
251.196

82, 8.528, 243.428

65, 35.933,
254.321

86, 2.191, 242.445

90, 4.315, 61.166

62, 40.344,
258.055

94, 10.943, 60.453

59, 44.480,
262.404

96, 12.517, 84.786

98, 15.720,
101.338

56, 48.484,
267.285

■ 54, 51.179,
270.614

■ 99, 18.388,
108.787

Harmonies

Complementary

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



75, 20.492, 246.519



74, 24.122, 58.736

Rectangle

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



75, 20.492, 246.519



75, 20.492, 296.519



75, 20.492, 66.519



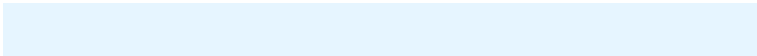
75, 20.492, 116.519

Sweetspot

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



75, 20.491, 246.516



96, 7.256, 243.042



82, 35.473, 154.922



50, 4.940, 243.204



0, 0.000, 0.000



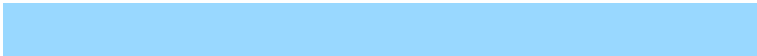
53, 0.007, 296.813

Same Dimension

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



75, 20.491, 246.516



83, 27.375, 247.935



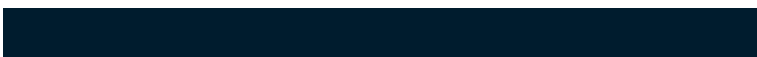
65, 35.848, 289.568



44, 3.648, 242.971



44, 42.540, 269.741



9, 15.120, 259.045

Inverse Universe

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



69, 36.208, 340.606



75, 48.954, 341.298



84, 33.721, 101.364



43, 6.110, 338.533



38, 66.006, 351.339



6, 26.591, 346.351

Previews

White Background



This preview shows how the CIE LCh color 75, 20.492, 246.519 looks on a white background.

Color Contrast Check

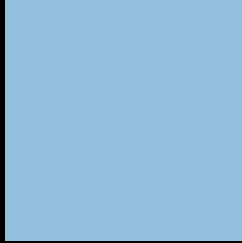
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 75, 20.492, 246.519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

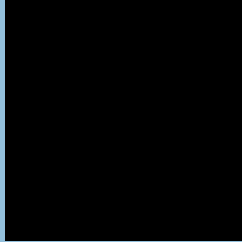
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 20.492, 246.519

Background



This preview shows how black text looks on a background with the CIELCh color 75, 20.492, 246.519.



This preview shows how white text looks on a background with the CIELCh color 75, 20.492, 246.519.

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

75, 20.492, 246.519

Protanopia

75, 16.266, 285.627

Deuteranopia

75, 22.258, 295.742



Tritanopia
75, 18.007, 227.229

Trichromacy



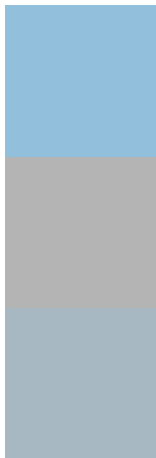
Original Color
75, 20.492, 246.519

Protanomaly
75, 16.850, 268.088

Deuteranomaly
75, 19.872, 278.373

Tritanomaly
75, 18.676, 234.006

Monochromacy



Original Color
75, 20.492, 246.519

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 7.753, 243.562

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 20.492, 246.519 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(146, 191, 219)` looks like.

```
.text, #text, p{  
    color:rgb(146, 191, 219)  
}
```

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(146, 191, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 191, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 20.492, 246.519 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(146, 191, 219) }
```

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

```
.border{ border-color:rgb(146, 191, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 191, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 191, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 191, 219);  
box-shadow:4px 4px 4px 4px rgb(146, 191,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 20.492, 246.519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 191, 219) }
```

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

```
.background{ background-color: rgb(146,  
191, 219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor