

Converting Colors

CIELCh(65, 21.438, 245.563)

Have a look what the booklet for
CIELCh(65, 21.438, 245.563)
contains.

CIELCh(65, 21.366, 245.644)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(65, 21.366, 245.644)

Conversions

Conversions Part 1

Format	Color
Hex	74A4C0
RGB	116, 164, 192
RGB Percent	45%, 64%, 75%
CMY	0.5453, 0.3570, 0.2472
CMYK	0.40, 0.15, 0.00, 0.25
HSL	202°, 38%, 60%
HSV	202°, 40%, 75%
XYZ	29.9720, 34.0472, 54.8329
YIQ	152.8400, -37.5960, -1.4680

Conversions

Conversions Part 2

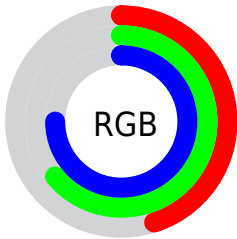
Format	Color
R _Y B	116, 145, 192
Decimal	7644352
CIE Lab	65.00, -8.81, -19.46
CIE LCh	65, 21.366, 245.644
Yxy	34.0472, 0.2522, 0.2865
Android (android.graphics.Color)	4285834432 (0xFF74A4C0)
YUV	152.8400, 19.3059, -32.3087
Hunter-Lab	58.3500, -10.4243, -14.8713

Details

The CIELCh color `65, 21.366, 245.644` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `64, 26.273, 56.619`, and the grayscale version is `63, 0.008, 296.813`.

A 20% lighter version of the original color is `85, 21.126, 245.214`, and `45, 21.238, 245.654` is the 20% darker color. If you saturate the color by 10%, you get `62, 26.037, 247.933`, and if you desaturate by 10%, it is `68, 16.354, 243.781`.

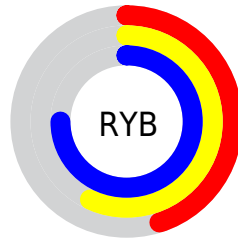
Distribution



Red (45%)

Green (64%)

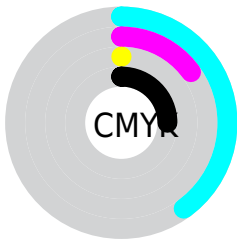
Blue (75%)



Red (45%)

Yellow (57%)

Blue (75%)

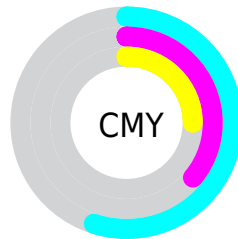


Cyan (40%)

Magenta (15%)

Yellow (0%)

Black (25%)



Cyan (55%)

Magenta (36%)

Yellow (25%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 21.366, 245.644 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 65, 21.366, 245.644 by changing the saturation by 10% instead.


 65, 21.366,
245.644


 65, 21.366,
245.644


 100, 21.366,
245.644


 55, 21.366,
245.644


 85, 21.366,
245.644

 45, 21.366,
245.644

 95, 21.366,
245.644

 35, 21.366,
245.644

 25, 21.366,
245.644

 15, 21.366,
245.644

 5, 21.366, 245.644

 0, 21.366, 245.644

65, 21.366,
245.644

65, 21.366,
245.644

62, 26.037,
247.933

68, 16.354,
243.781

59, 30.340,
250.734

71, 11.050,
242.278

56, 34.274,
254.120

75, 5.505, 241.086

54, 37.885,
258.130

78, 0.232, 58.053

81, 6.115, 59.096

51, 41.276,
262.738

85, 12.104, 58.450

49, 44.635,
267.699

88, 18.166, 57.895

90, 19.990, 67.293

49, 44.778,
267.894

92, 21.246, 78.913

Harmonies

Complementary

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



65, 21.366, 245.644



64, 26.273, 56.619

Rectangle

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



65, 21.366, 245.644



65, 21.366, 295.644



65, 21.366, 65.644



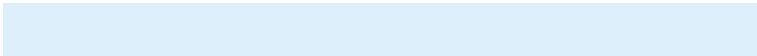
65, 21.366, 115.644

Sweetspot

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



65, 21.365, 245.642



93, 8.496, 241.365



72, 38.165, 153.542



49, 5.622, 241.515



99, 0.012, 296.813



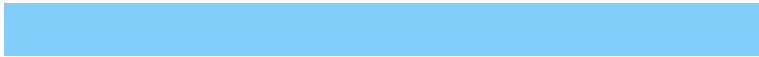
52, 0.007, 296.813

Same Dimension

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



65, 21.365, 245.642



79, 31.297, 247.726



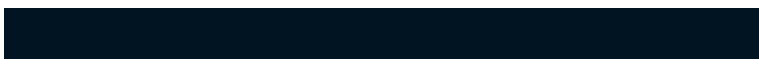
55, 37.919, 289.870



39, 3.280, 241.063



41, 38.879, 267.150



6, 11.165, 255.309

Inverse Universe

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



58, 38.885, 340.436



70, 57.723, 341.384



73, 35.328, 99.788



38, 5.577, 337.833



35, 62.931, 349.913



3, 17.267, 344.340

Previews

White Background



This preview shows how the CIELCh color 65, 21.366, 245.644 looks on a white background.

Color Contrast Check

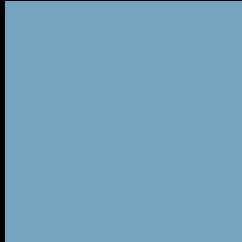
Large Text (above 18pt) WCAG AA × Fail

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 65, 21.366, 245.644 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

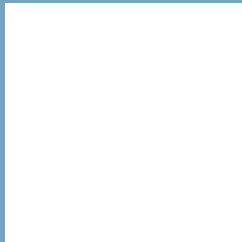
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 21.366, 245.644

Background



This preview shows how black text looks on a background with the CIELCh color 65, 21.366, 245.644.



This preview shows how white text looks on a background with the CIELCh color 65, 21.366, 245.644.

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


65, 21.366, 245.644

Protanopia

65, 16.745, 285.936

Deuteranopia

65, 22.280, 292.501



Tritanopia
65, 18.704, 220.982

Trichromacy



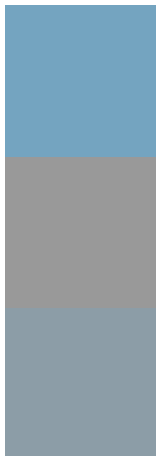
Original Color
65, 21.366, 245.644

Protanomaly
65, 17.410, 267.637

Deuteranomaly
65, 20.185, 274.759

Tritanomaly
65, 19.342, 231.603

Monochromacy



Original Color
65, 21.366, 245.644

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 8.200, 242.069

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 21.366, 245.644 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(116, 164, 192)` looks like.

```
.text, #text, p{  
    color:rgb(116, 164, 192)  
}
```

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(116, 164, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 164, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 21.366, 245.644 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(116, 164, 192) }
```

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

```
.border{ border-color:rgb(116, 164, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 164, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 164, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 164, 192);  
box-shadow:4px 4px 4px 4px rgb(116, 164,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 21.366, 245.644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 164, 192) }
```

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

```
.background{ background-color: rgb(116,  
164, 192) }
```

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