

Converting Colors

CIELCh(66, 20.421, 237.663)

Have a look what the booklet for
CIELCh(66, 20.421, 237.663)
contains.

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Color

CIELCh(66, 20.362, 237.374)

Conversions

Conversions Part 1

Format	Color
Hex	75A8BF
RGB	117, 168, 191
RGB Percent	46%, 66%, 75%
CMY	0.5430, 0.3430, 0.2528
CMYK	0.39, 0.12, 0.00, 0.25
HSL	199°, 36%, 60%
HSV	199°, 39%, 75%
XYZ	30.5419, 35.3238, 54.2239
YIQ	155.3730, -37.7790, -3.6590

Conversions

Conversions Part 2

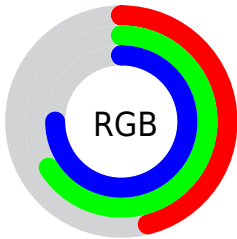
Format	Color
R _Y B	117, 147, 191
Decimal	7710911
CIE Lab	66.00, -10.98, -17.15
CIE LCh	66, 20.362, 237.374
Yxy	35.3238, 0.2543, 0.2941
Android (android.graphics.Color)	4285900991 (0xFF75A8BF)
YUV	155.3730, 17.5641, -33.6531
Hunter-Lab	59.4338, -12.2815, -12.4890

Details

The CIELCh color `66, 20.362, 237.374` is a light color, and the websafe version is hex `669999`. A complement of this color would be `62, 25.790, 50.533`, and the grayscale version is `64, 0.008, 296.813`.

A 20% lighter version of the original color is `86, 20.184, 237.392`, and `46, 20.475, 238.064` is the 20% darker color. If you saturate the color by 10%, you get `63, 24.717, 239.324`, and if you desaturate by 10%, it is `69, 15.582, 235.821`.

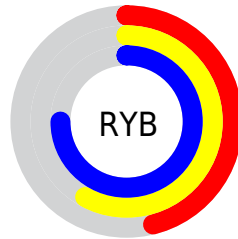
Distribution



Red (46%)

Green (66%)

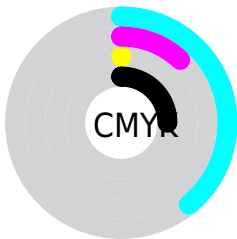
Blue (75%)



Red (46%)

Yellow (58%)

Blue (75%)

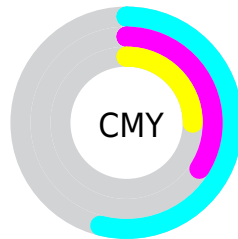


Cyan (39%)

Magenta (12%)

Yellow (0%)

Black (25%)



Cyan (54%)


Magenta (34%)


Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 20.362, 237.374 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 66, 20.362, 237.374 by changing the saturation by 10% instead.


 66, 20.362,
237.374


 66, 20.362,
237.374


 100, 20.362,
237.374


 56, 20.362,
237.374


 86, 20.362,
237.374

 46, 20.362,
237.374

 96, 20.362,
237.374

 36, 20.362,
237.374

 26, 20.362,
237.374

 16, 20.362,
237.374

 6, 20.362, 237.374

 0, 20.362, 237.374

66, 20.362,
237.374

66, 20.362,
237.374

63, 24.717,
239.324

69, 15.582,
235.821

61, 28.600,
241.765

72, 10.442,
234.601

58, 31.989,
244.783

75, 5.005, 233.672

56, 34.909,
248.449

78, 0.668, 52.077

81, 6.522, 52.109

54, 37.443,
252.788

84, 12.511, 51.654

52, 39.778,
257.649

87, 18.596, 51.276

89, 20.145, 58.809

52, 40.060,
258.205

90, 20.606, 69.026

Harmonies

Complementary

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



66, 20.362, 237.374



62, 25.790, 50.533

Rectangle

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



66, 20.362, 237.374



66, 20.362, 287.374



66, 20.362, 57.374



66, 20.362, 107.374

Sweetspot

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



66, 20.361, 237.371



93, 8.346, 233.949



71, 39.236, 150.950



49, 5.566, 234.069



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



66, 20.361, 237.371



81, 29.526, 239.091



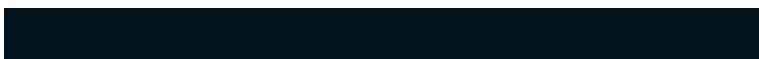
56, 34.033, 286.265



38, 3.183, 233.711



43, 34.647, 257.418



6, 9.736, 246.939

Inverse Universe

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



58, 39.399, 337.642



70, 58.263, 338.446



72, 32.420, 95.854



37, 5.685, 335.326



35, 64.292, 345.407



3, 15.936, 340.417

Previews

White Background



This preview shows how the CIE LCh color 66, 20.362, 237.374 looks on a white background.

Color Contrast Check

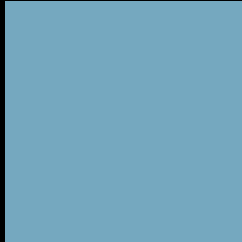
Large Text (above 18pt) WCAG AA × Fail

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 66, 20.362, 237.374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

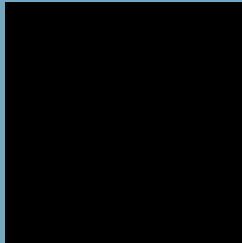
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 20.362, 237.374

Background



This preview shows how black text looks on a background with the CIELCh color 66, 20.362, 237.374.



This preview shows how white text looks on a background with the CIELCh color 66, 20.362, 237.374.

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

66, 20.362, 237.374

Protanopia

66, 14.459, 286.063

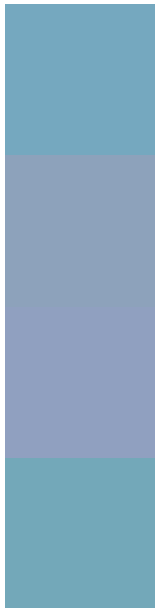
Deuteranopia

66, 20.607, 295.201



Tritanopia
66, 19.217, 220.237

Trichromacy



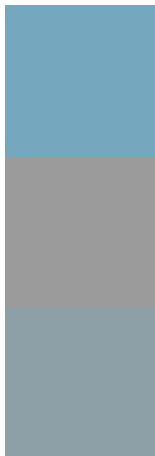
Original Color
66, 20.362, 237.374

Protanomaly
66, 15.410, 263.684

Deuteranomaly
66, 18.402, 274.806

Tritanomaly
66, 19.375, 227.500

Monochromacy



Original Color
66, 20.362, 237.374

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 8.095, 232.415

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 20.362, 237.374 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(117, 168, 191)` looks like.

```
.text, #text, p{  
    color:rgb(117, 168, 191)  
}
```

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(117, 168, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 168, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 20.362, 237.374 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(117, 168, 191) }
```

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

```
.border{ border-color:rgb(117, 168, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 168, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 168, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 168, 191);  
box-shadow:4px 4px 4px 4px rgb(117, 168,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 20.362, 237.374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 168, 191) }
```

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

```
.background{ background-color: rgb(117,  
168, 191) }
```

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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