

Converting Colors

CIELCh(50, 20.955, 162.309)

Have a look what the booklet for
CIELCh(50, 20.955, 162.309)
contains.

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Color

CIELCh(50, 20.753, 162.973)

Conversions

Conversions Part 1

Format	Color
Hex	54806C
RGB	84, 128, 108
RGB Percent	33%, 50%, 42%
CMY	0.6704, 0.4979, 0.5763
CMYK	0.34, 0.00, 0.16, 0.50
HSL	153°, 21%, 42%
HSV	153°, 34%, 50%
XYZ	14.0926, 18.4187, 17.0103
YIQ	112.5640, -19.8040, -15.5480

Conversions

Conversions Part 2

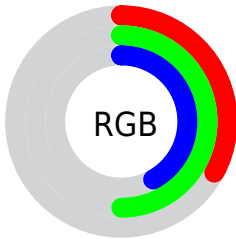
Format	Color
RYB	84, 112, 128
Decimal	5537900
CIELab	50.00, -19.84, 6.08
CIELCh	50, 20.753, 162.973
Yxy	18.4187, 0.2846, 0.3719
Android (android.graphics.Color)	4283727980 (0xFF54806C)
YUV	112.5640, -2.2501, -25.0506
Hunter-Lab	42.9170, -16.4907, 6.5420

Details

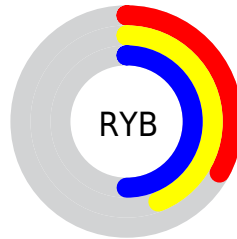
The CIELCh color $50, 20.753, 162.973$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $41, 21.832, 349.477$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $70, 20.892, 162.542$, and $30, 20.844, 162.955$ is the 20% darker color. If you saturate the color by 10%, you get $49, 26.430, 161.797$, and if you desaturate by 10%, it is $51, 14.843, 164.028$.

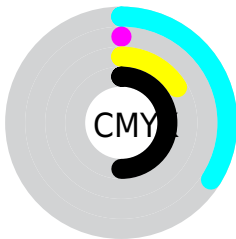
Distribution



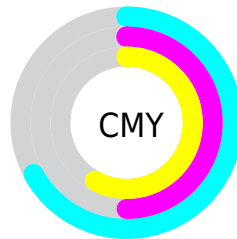
- Red (33%)
- Green (50%)
- Blue (42%)



- Red (33%)
- Yellow (44%)
- Blue (50%)



- Cyan (34%)
- Magenta (0%)
- Yellow (16%)
- Black (50%)





- Cyan (67%)
- Magenta (50%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 20.753, 162.973 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 50, 20.753, 162.973 by changing the saturation by 10% instead.


 50, 20.753,
162.973


 50, 20.753,
162.973


 100, 20.753,
162.973


 40, 20.753,
162.973


 70, 20.753,
162.973

 30, 20.753,
162.973


 80, 20.753,
162.973


 20, 20.753,
162.973

 90, 20.753,
162.973

 10, 20.753,
162.973

 0, 20.753, 162.973

 50, 20.753,
162.973

 50, 20.753,
162.973

■ 49, 26.430,
161.797

■ 51, 14.843,
164.028

■ 49, 31.777,
160.481

■ 52, 8.789, 164.990

■ 48, 36.701,
159.000

■ 53, 2.670, 165.932

■ 54, 3.448, 346.521

■ 48, 41.126,
157.335

■ 56, 9.511, 347.307

■ 47, 45.006,
155.474

■ 57, 15.482,
347.998

■ 47, 48.349,
153.430

■ 59, 21.331,
348.639

■ 47, 50.142,
152.324

■ 60, 27.042,
349.238

■ 62, 32.602,
349.804

Harmonies

Complementary

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



50, 20.753, 162.973



41, 21.832, 349.477

Rectangle

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



50, 20.753, 162.973



50, 20.753, 212.973



50, 20.753, 342.973



50, 20.753, 32.973

Sweetspot

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



50, 20.754, 162.972



67, 7.559, 165.370



51, 27.142, 128.702



35, 5.197, 165.262



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



50, 20.754, 162.972



63, 30.279, 162.094



50, 15.242, 201.107



26, 3.438, 165.475



47, 49.979, 152.334



0, 0.000, 0.000

Inverse Universe

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



41, 21.832, 349.477



50, 32.171, 350.432



41, 19.237, 24.728



25, 3.488, 346.877



26, 50.532, 4.745



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 20.753, 162.973 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 20.753, 162.973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

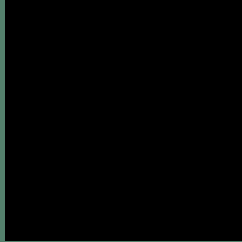
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 20.753, 162.973

Background



This preview shows how black text looks on a background with the CIELCh color 50, 20.753, 162.973.

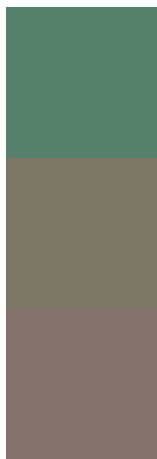


This preview shows how white text looks on a background with the CIELCh color 50, 20.753, 162.973.

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
50, 20.753, 162.973

Protanopia
50, 9.101, 92.751

Deuteranopia
50, 8.169, 32.559



Tritanopia
50, 13.255, 224.685

Trichromacy



Original Color
50, 20.753, 162.973

Protanomaly
50, 11.304, 137.145

Deuteranomaly
49, 5.519, 126.784

Tritanomaly
50, 13.574, 197.999

Monochromacy



Original Color
50, 20.753, 162.973

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 7.665, 166.053

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 20.753, 162.973 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(84, 128, 108)` looks like.

```
.text, #text, p{  
    color:rgb(84, 128, 108)  
}
```

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(84, 128, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 128, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 20.753, 162.973 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(84, 128, 108) }
```

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

```
.border{ border-color:rgb(84, 128, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 128, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 128, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 128, 108);  
box-shadow:4px 4px 4px 4px rgb(84, 128,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 20.753, 162.973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 128, 108) }
```

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

```
.background{ background-color: rgb(84, 128,  
108) }
```

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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