

Converting Colors

CIELCh(42, 20.052, 241.082)

Have a look what the booklet for
CIELCh(42, 20.052, 241.082)
contains.

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Color

CIELCh(42, 20.218, 241.958)

Conversions

Conversions Part 1

Format	Color
Hex	386980
RGB	56, 105, 128
RGB Percent	22%, 41%, 50%
CMY	0.7804, 0.5883, 0.4981
CMYK	0.56, 0.18, 0.00, 0.50
HSL	199°, 39%, 36%
HSV	199°, 56%, 50%
XYZ	10.5766, 12.5000, 22.2740
YIQ	92.9710, -36.5870, -3.2350

Conversions

Conversions Part 2

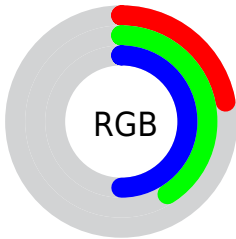
Format	Color
R_{YB}	56, 85, 128
Decimal	3697024
CIE _{Lab}	42.00, -9.50, -17.84
CIE _{LCh}	42, 20.218, 241.958
Yxy	12.5000, 0.2332, 0.2756
Android (android.graphics.Color)	4281887104 (0xFF386980)
YUV	92.9710, 17.2693, -32.4236
Hunter-Lab	35.3553, -8.4732, -12.6041

Details

The CIELCh color **42, 20.218, 241.958** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **39, 28.544, 50.813**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 20.230, 242.703**, and **22, 19.415, 244.763** is the 20% darker color. If you saturate the color by 10%, you get **40, 22.877, 244.669**, and if you desaturate by 10%, it is **44, 17.228, 239.753**.

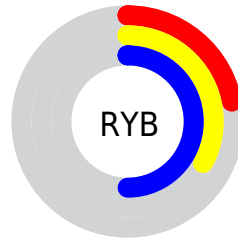
Distribution



Red (22%)

Green (41%)

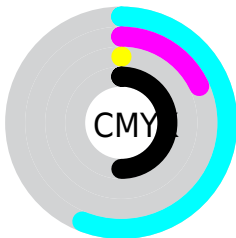
Blue (50%)



Red (22%)

Yellow (33%)

Blue (50%)

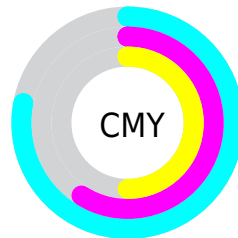


Cyan (56%)

Magenta (18%)

Yellow (0%)

Black (50%)



Cyan (78%)


Magenta (59%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 20.218, 241.958 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 42, 20.218, 241.958 by changing the saturation by 10% instead.


 42, 20.218,
241.958


 42, 20.218,
241.958


 100, 20.218,
241.958


 32, 20.218,
241.958

 62, 20.218,
241.958


 22, 20.218,
241.958

 72, 20.218,
241.958

 12, 20.218,
241.958

 82, 20.218,
241.958

 2, 20.218, 241.958

 92, 20.218,
241.958

 0, 20.218, 241.958

 42, 20.218,

 42, 20.218,

241.958

■ 40, 22.877,
244.669

■ 38, 25.209,
247.962

■ 37, 27.252,
251.878

■ 35, 29.114,
256.310

■ 35, 29.839,
257.912

241.958

■ 44, 17.228,
239.753

■ 46, 13.930,
237.976

■ 48, 10.361,
236.553

■ 50, 6.561, 235.425

■ 52, 2.574, 234.587

■ 54, 1.563, 53.480

■ 57, 5.814, 53.051

■ 59, 10.150, 52.595

■ 61, 14.546, 52.216

Harmonies

Complementary

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



42, 20.218, 241.958



39, 28.544, 50.813

Rectangle

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



42, 20.218, 241.958



42, 20.218, 291.958



42, 20.218, 61.958



42, 20.218, 111.958

Sweetspot

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



42, 20.217, 241.957



63, 8.459, 235.540



48, 39.730, 149.639



33, 5.682, 235.710



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



42, 20.217, 241.957



51, 28.601, 245.693



31, 37.360, 290.638



26, 2.301, 234.786



35, 29.751, 257.891



0, 0.000, 0.000

Inverse Universe

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



35, 39.950, 339.522



42, 56.978, 340.969



48, 34.129, 95.033



25, 4.077, 335.651



27, 54.884, 345.601



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 42, 20.218, 241.958 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 × Fail

Black Background



This preview shows how the CIE LCh color 42, 20.218, 241.958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

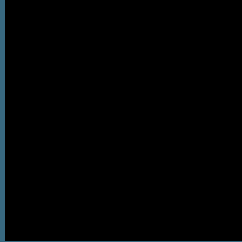
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 20.218, 241.958

Background



This preview shows how black text looks on a background with the CIELCh color 42, 20.218, 241.958.



This preview shows how white text looks on a background with the CIELCh color 42, 20.218, 241.958.

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

42, 20.218, 241.958

Protanopia

42, 15.181, 285.383

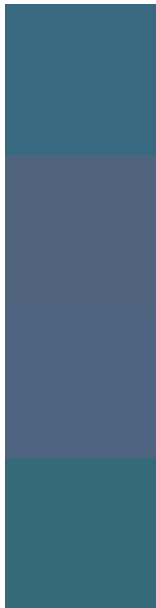
Deuteranopia

42, 20.019, 286.951



Tritanopia
42, 18.899, 214.334

Trichromacy



Original Color
42, 20.218, 241.958

Protanomaly
42, 16.004, 264.658

Deuteranomaly
42, 18.786, 268.976

Tritanomaly
42, 18.770, 224.742

Monochromacy



Original Color
42, 20.218, 241.958

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 8.386, 239.852

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 20.218, 241.958 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(56, 105, 128)` looks like.

```
.text, #text, p{  
    color:rgb(56, 105, 128)  
}
```

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(56, 105, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 105, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 20.218, 241.958 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(56, 105, 128) }
```

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

```
.border{ border-color:rgb(56, 105, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 105, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 105, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 105, 128);  
box-shadow:4px 4px 4px 4px rgb(56, 105,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 20.218, 241.958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 105, 128) }
```

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

```
.background{ background-color: rgb(56, 105,  
128) }
```

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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