Converting Colors

CIELCh(40, 20.926, 250.768)

Have a look what the booklet for CIELCh(40, 20.926, 250.768) contains.

CIELCh(40, 20.890, 250.909) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 11
- ***Previews*** 20
- ***Color Blindness Simulation*** 23
- ***CSS Examples*** 26

Color

CIELCh(40, 20.890, 250.909)

Conversions

Format	Color
Hex	37637E
RGB	55, 99, 126
RGB Percent	22%, 39%, 49%
CMY	0.7842, 0.6116, 0.5057
CMYK	0.56, 0.21, 0.00, 0.51
HSL	203°, 39%, 36%
HSV	203°, 56%, 49%
XYZ	9.8111, 11.2510, 21.4056
YIQ	88.9220, -34.8910, -0.9310

Conversions Part 1

Conversions

Conversions Part 2

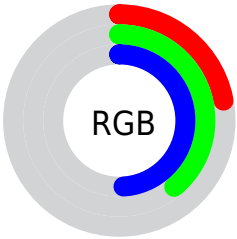
Format	Color
RYB	55, 82, 126
Decimal	3629950
CIELab	40.00, -6.83, -19.74
CIELCh	40, 20.890, 250.909
Yxy	11.2510, 0.2310, 0.2649
Android (android.graphics.Color)	4281820030 (0xFF37637E)
YUV	88.9220, 18.2795, -29.7496
Hunter-Lab	33.5425, -6.4885, -14.3571

Details

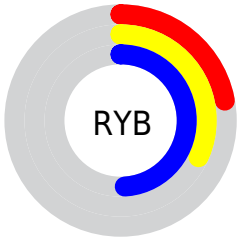
The CIELCh color 40, 20.890, 250.909 is a dark color, and the websafe version is hex 336699. A complement of this color would be 39, 27.832, 56.740, and the grayscale version is 38, 0.005, 296.813.

A 20% lighter version of the original color is 60, 20.975, 250.377, and 20, 20.076, 253.009 is the 20% darker color. If you saturate the color by 10%, you get 38, 23.901, 253.910, and if you desaturate by 10%, it is 42, 17.638, 248.415.

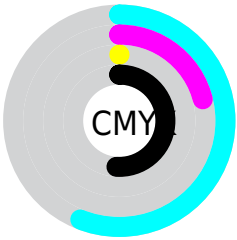
Distribution



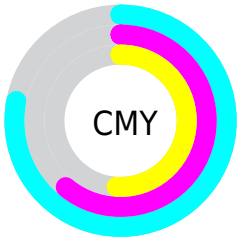
- Red (22%)
- Green (39%)
- Blue (49%)



- Red (22%)
- Yellow (32%)
- Blue (49%)



- Cyan (56%)
- Magenta (21%)
- Yellow (0%)
- Black (51%)



- Cyan (78%)
- Magenta (61%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 20.890, 250.909 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 40, 20.890, 250.909 by changing the saturation by 10% instead.

40, 20.890, 250.909

40, 20.890, 250.909

100, 20.890, 250.909

30, 20.890, 250.909

60, 20.890, 250.909

20, 20.890, 250.909

70, 20.890, 250.909

10, 20.890, 250.909

80, 20.890, 250.909

0, 20.890, 250.909

90, 20.890, 250.909

40, 20.890,

40, 20.890,

250.909

38, 23.901, 253.910

36, 26.690, 257.472

34, 29.302, 261.604

32, 31.843, 266.143

32, 32.816, 267.716

250.909

42, 17.638, 248.415

44, 14.157, 246.362

47, 10.470, 244.680

49, 6.606, 243.309

51, 2.600, 242.241

54, 1.519, 60.955

56, 5.724, 60.325

59, 9.989, 59.691

61, 14.295, 59.145

Harmonies

Complementary

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

40, 20.890, 250.909

39, 27.832, 56.740

Rectangle

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

40, 20.890, 250.909

40, 20.890, 300.909

40, 20.890, 70.909

40, 20.890, 120.909

Sweetspot

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

40, 20.889, 250.909

62, 8.482, 243.442

47, 37.728, 151.636

31, 5.630, 243.643

84, 0.010, 296.813

35, 0.005, 296.813

Same Dimension

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

40, 20.889, 250.909

48, 29.977, 255.008

30, 39.350, 293.055

26, 2.327, 242.500

32, 33.117, 267.781

0, 0.000, 0.000

Inverse Universe

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

34, 38.040, 342.657

41, 54.278, 344.379

49, 35.167, 98.139

25, 3.904, 338.330

27, 53.067, 350.250

0, 0.000, 0.000

Previews

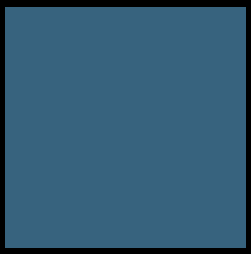
White Background

This preview shows how the CIELCh color 40, 20.890, 250.909 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



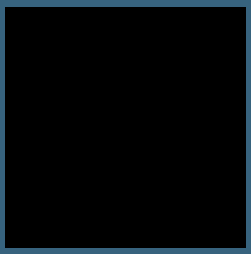
This preview shows how the CIELCh color 40, 20.890, 250.909 looks on a black background.

Color Contrast Check

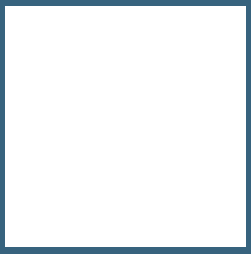
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 40, 20.890, 250.909 Background



This preview shows how black text looks on a background with the CIELCh color 40, 20.890, 250.909.



This preview shows how white text looks on a background with the CIELCh color 40, 20.890, 250.909.

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
40, 20.890, 250.909

Protanopia
40, 17.196, 284.236

Deuteranopia
40, 20.864, 284.566

Tritanopia
40, 18.082, 213.239

Trichromacy

Original Color
40, 20.890, 250.909

Protanomaly
40, 18.157, 270.215

Deuteranomaly
40, 20.558, 271.872

Tritanomaly
40, 18.260, 228.092

Monochromacy

Original Color
40, 20.890, 250.909

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 8.157, 241.668

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 20.890, 250.909 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(55, 99, 126) looks like.

```
.text, #text, p{
    color:rgb(55, 99, 126)
}
```

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(55, 99, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 99, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 20.890, 250.909 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(55, 99, 126) }
```

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

```
.border{ border-color:rgb(55, 99, 126) }
```

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

Here you see how a box with a 4 pixel rgb(55, 99, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(55, 99, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(55, 99, 126); box-shadow:4px 4px 4px 4px rgb(55, 99, 126) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 20.890, 250.909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(55, 99, 126) }
```

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

```
.background{ background-color:rgb(55, 99,
126) }
```

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