

Converting Colors

CIELCh(32, 20.456, 164.288)

Have a look what the booklet for
CIELCh(32, 20.456, 164.288)
contains.

CIELCh(32, 20.354, 164.628)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(32, 20.354, 164.628)

Conversions

Conversions Part 1

Format	Color
Hex	285342
RGB	40, 83, 66
RGB Percent	16%, 33%, 26%
CMY	0.8420, 0.6734, 0.7401
CMYK	0.52, 0.00, 0.20, 0.67
HSL	156°, 35%, 24%
HSV	156°, 52%, 33%
XYZ	4.9939, 7.0852, 6.3019
YIQ	68.2050, -20.1710, -14.4030

Conversions

Conversions Part 2

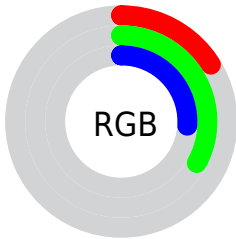
Format	Color
RYB	40, 67, 83
Decimal	2642754
CIELab	32.00, -19.63, 5.40
CIELCh	32, 20.354, 164.628
Yxy	7.0852, 0.2717, 0.3855
Android (android.graphics.Color)	4280832834 (0xFF285342)
YUV	68.2050, -1.0871, -24.7358
Hunter-Lab	26.6180, -13.0925, 4.5955

Details

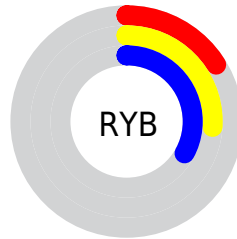
The CIELCh color **32, 20.354, 164.628** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **23, 22.328, 355.330**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 20.557, 164.865**, and **12, 19.220, 161.054** is the 20% darker color. If you saturate the color by 10%, you get **32, 23.741, 163.316**, and if you desaturate by 10%, it is **33, 16.709, 165.809**.

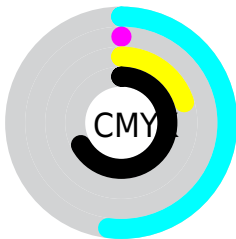
Distribution



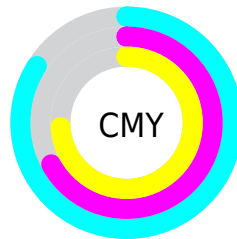
- Red (16%)
- Green (33%)
- Blue (26%)



- Red (16%)
- Yellow (26%)
- Blue (33%)



- Cyan (52%)
- Magenta (0%)
- Yellow (20%)
- Black (67%)





- Cyan (84%)
- Magenta (67%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 20.354, 164.628 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 32, 20.354, 164.628 by changing the saturation by 10% instead.


 32, 20.354,
164.628

 32, 20.354,
164.628

 100, 20.354,
164.628


 22, 20.354,
164.628

 52, 20.354,
164.628


 12, 20.354,
164.628


 62, 20.354,
164.628

 2, 20.354, 164.628

 72, 20.354,
164.628

 0, 20.354, 164.628

 82, 20.354,
164.628

 92, 20.354,
164.628

■ 32, 20.354,
164.628

■ 32, 20.354,
164.628

■ 32, 23.741,
163.316

■ 33, 16.709,
165.809

■ 31, 26.817,
161.856

■ 33, 12.863,
166.880

■ 31, 29.546,
160.230

■ 34, 8.873, 167.860

■ 31, 31.938,
158.459

■ 34, 4.792, 168.775

■ 35, 0.668, 169.904

■ 31, 33.905,
157.111

■ 36, 3.460, 350.250

■ 37, 7.561, 351.006

■ 38, 11.611,
351.694

■ 39, 15.592,
352.339

Harmonies

Complementary

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



32, 20.354, 164.628



23, 22.328, 355.330

Rectangle

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



32, 20.354, 164.628



32, 20.354, 214.628



32, 20.354, 344.628



32, 20.354, 34.628

Sweetspot

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



32, 20.354, 164.627



44, 7.600, 168.426



32, 28.838, 130.277



21, 5.122, 168.320



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



32, 20.354, 164.627



41, 29.208, 162.976



31, 14.115, 208.792



16, 2.266, 169.040



39, 40.236, 156.370



82, 74.407, 154.684

Inverse Universe

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



23, 22.328, 355.330



27, 32.516, 357.531



23, 20.236, 31.472



15, 2.304, 350.333



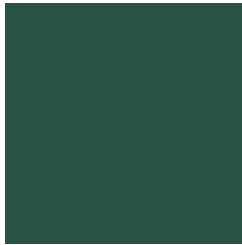
21, 43.882, 9.072



49, 79.175, 12.941

Previews

White Background



This preview shows how the CIELCh color 32, 20.354, 164.628 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 32, 20.354, 164.628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

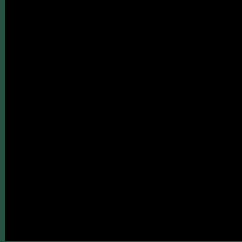
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 20.354, 164.628

Background



This preview shows how black text looks on a background with the CIELCh color 32, 20.354, 164.628.



This preview shows how white text looks on a background with the CIELCh color 32, 20.354, 164.628.

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

32, 20.354, 164.628

Protanopia

32, 8.399, 95.884

Deuteranopia

32, 6.240, 37.835



Tritanopia
32, 12.984, 217.972

Trichromacy



Original Color
32, 20.354, 164.628

Protanomaly
32, 10.610, 141.606

Deuteranomaly
31, 5.965, 140.550

Tritanomaly
32, 14.108, 192.196

Monochromacy



Original Color
32, 20.354, 164.628

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 8.291, 165.414

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 20.354, 164.628 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(40, 83, 66)` looks like.

```
.text, #text, p{  
    color:rgb(40, 83, 66)  
}
```

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(40, 83, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 83, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 20.354, 164.628 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(40, 83, 66) }
```

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

```
.border{ border-color:rgb(40, 83, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 83, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 83, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 83, 66);  
box-shadow:4px 4px 4px 4px rgb(40, 83, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 20.354, 164.628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 83, 66) }
```

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

```
.background{ background-color: rgb(40, 83,  
66) }
```

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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