

Converting Colors

XYZ(20.4991, 38.0962, 15.7796)

Have a look what the booklet for
XYZ(20.4991, 38.0962, 15.7796)
contains.

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Color

**XYZ(20.4340, 37.9829,
15.7056)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF59
RGB	0, 191, 89
RGB Percent	0%, 75%, 35%
CMY	1.0000, 0.2510, 0.6510
CMYK	1.00, 0.00, 0.53, 0.25
HSL	148°, 100%, 37%
HSV	148°, 100%, 75%
XYZ	20.4340, 37.9829, 15.7056
YIQ	122.2630, -81.0940, -72.2140

Conversions

Conversions Part 2

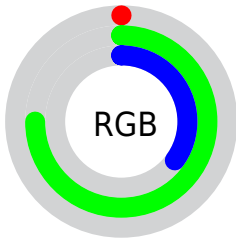
Format	Color
RYB	0, 130, 191
Decimal	48985
CIELab	68.01, -62.57, 39.95
CIELCh	68, 74.240, 147.442
Yxy	37.9829, 0.2757, 0.5124
Android (android.graphics.Color)	4278239065 (0xFF00BF59)
YUV	122.2630, -16.3987, -107.2247
Hunter-Lab	61.6303, -48.6699, 28.0320

Details

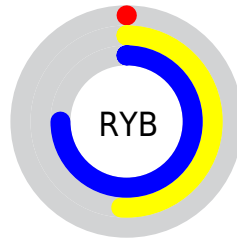
The XYZ color **20.4340, 37.9829, 15.7056** is a dark color, and the websafe version is hex **00CC66**. A complement of this color would be **23.8856, 12.0365, 13.6375**, and the grayscale version is **18.6572, 19.6288, 21.3758**.

A 20% lighter version of the original color is **43.7204, 72.2711, 36.8447**, and **9.1704, 17.7548, 4.8631** is the 20% darker color. If you saturate the color by 10%, you get **20.4346, 37.9843, 15.7053**, and if you desaturate by 10%, it is **21.1641, 38.3074, 18.1340**.

Distribution



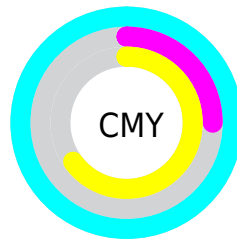
- Red (0%)
- Green (75%)
- Blue (35%)



- Red (0%)
- Yellow (51%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.4340, 37.9829, 15.7056 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 XYZ color 20.4340, 37.9829, 15.7056 by changing the saturation by 10% instead.


 20.4340, 37.9829,
15.7056


 20.4340, 37.9829,
15.7056


247.0441,
337.5466, 239.3843


 12.8210, 25.9694,
9.1640


 43.6420, 72.0819,
36.8460

 7.3816, 16.8008,
4.7500


 59.9678, 94.9363,
52.2819


 3.7503, 10.0925,
2.0452


 79.9285, 122.1730,
71.5196

 1.5619, 5.4604,
0.5829

 103.8896,
154.1765, 94.9776

 0.3674, 2.5198,
0.0000

 132.2163,
191.3313, 123.0746

 0.0000, 0.8865,
0.0000

165.2740,

 0.0000, 0.0000,

234.0216, 156.2290

0.0000

203.4282,
282.6319, 194.8594

■ 20.4340, 37.9829,
15.7056

■ 20.4340, 37.9829,
15.7056

■ 20.4346, 37.9843,
15.7053

■ 21.1641, 38.3074,
18.1340

■ 22.2208, 38.7920,
20.8987

■ 23.7028, 39.4886,
24.0165

■ 25.6610, 40.4229,
27.5005

■ 28.1382, 41.6171,
31.3630

■ 31.1724, 43.0903,
35.6156

■ 34.7980, 44.8601,
40.2694

■ 39.0463, 46.9424,
45.3350

■ 43.9464, 49.3522,
50.8225

Harmonies

Analogous

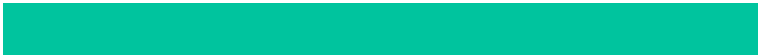
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



26.8049, 37.9829, 6.6990



20.4340, 37.9829, 15.7056



18.1520, 37.9829, 38.5827

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



20.4340, 37.9829, 15.7056



35.1195, 37.9829, 142.9702



59.6114, 37.9829, 18.4276

Complementary

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



20.4340, 37.9829, 15.7056



23.8856, 12.0365, 13.6375

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



63.1382, 37.9829, 44.2610



20.4340, 37.9829, 15.7056



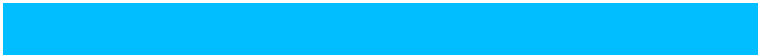
47.3320, 37.9829, 127.3608

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



20.4340, 37.9829, 15.7056



25.4218, 37.9829, 121.4462



58.2374, 37.9829, 85.8886



49.4184, 37.9829, 7.5784

Rectangle

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



20.4340, 37.9829, 15.7056



18.7909, 37.9829, 63.4964



58.2374, 37.9829, 85.8886



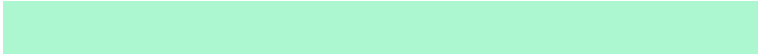
61.6995, 37.9829, 25.0742

Sweetspot

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



20.4349, 37.9844, 15.7065



61.9844, 80.1769, 71.7032



24.4639, 40.2698, 6.4837



12.9782, 17.2968, 14.9478



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



20.4349, 37.9844, 15.7065



36.4769, 67.9794, 27.4946



27.0188, 40.6180, 50.3765



9.5888, 10.7216, 11.0840



13.4687, 24.9778, 10.5311



0.5606, 0.9916, 0.5866

Inverse Universe

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



23.8856, 12.0365, 13.6375



42.6529, 21.5065, 23.7681



21.5392, 11.0980, 1.2814



9.7374, 9.6193, 11.0060



15.7375, 7.9262, 9.1773



0.6492, 0.3236, 0.5320

Previews

White Background



This preview shows how the XYZ color 20.4340, 37.9829, 15.7056 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 XYZ color 20.4340, 37.9829, 15.7056 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](#).

XYZ 20.4340, 37.9829, 15.7056

Background



This preview shows how black text looks on a background with the XYZ color 20.4340, 37.9829, 15.7056.



This preview shows how white text looks on a background with the XYZ color 20.4340, 37.9829,

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

20.4340, 37.9829, 15.7056

Protanopia

34.1945, 37.4345, 13.0128

Deuteranopia

38.0810, 37.2751, 16.7430



Tritanopia

28.8829, 37.9934, 56.8501

Trichromacy



Original Color

20.4340, 37.9829, 15.7056



Protanomaly

23.8998, 34.6096, 13.6043



Deuteranomaly

25.0059, 33.7142, 16.0160



Tritanomaly

24.3135, 37.2856, 37.3679

Monochromacy



Original Color

20.4340, 37.9829, 15.7056



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

16.3901, 23.6129, 18.4458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4340, 37.9829, 15.7056 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(0, 191, 89)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 89)  
}
```

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(0, 191, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 89) }
```

Border

The CSS property to change the border of an element to XYZ 20.4340, 37.9829, 15.7056 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(0, 191, 89) }
```


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

```
.border{ border-color:rgb(0, 191, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 191, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 89);  
box-shadow:4px 4px 4px 4px rgb(0, 191, 89)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.4340, 37.9829, 15.7056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 89) }
```

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

```
.background{ background-color: rgb(0, 191,  
89) }
```

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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