

Converting Colors

XYZ(20.0591, 37.2745, 15.4532)

Have a look what the booklet for
XYZ(20.0591, 37.2745, 15.4532)
contains.

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Color

**XYZ(19.9590, 37.0998,
15.3415)**

Conversions

Conversions Part 1

Format	Color
Hex	00BD58
RGB	0, 189, 88
RGB Percent	0%, 74%, 35%
CMY	1.0000, 0.2588, 0.6549
CMYK	1.00, 0.00, 0.53, 0.26
HSL	148°, 100%, 37%
HSV	148°, 100%, 74%
XYZ	19.9590, 37.0998, 15.3415
YIQ	120.9750, -80.2230, -71.4790

Conversions

Conversions Part 2

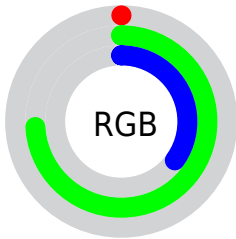
Format	Color
RYB	0, 129, 189
Decimal	48472
CIELab	67.35, -62.08, 39.64
CIELCh	67, 73.658, 147.443
Yxy	37.0998, 0.2757, 0.5124
Android (android.graphics.Color)	4278238552 (0xFF00BD58)
YUV	120.9750, -16.2567, -106.0951
Hunter-Lab	60.9096, -48.1005, 27.7032

Details

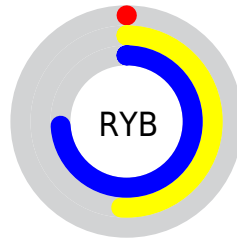
The XYZ color **19.9590, 37.0998, 15.3415** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **23.3362, 11.7589, 13.3523**, and the grayscale version is **18.2361, 19.1858, 20.8933**.

A 20% lighter version of the original color is **43.0314, 71.0116, 36.2496**, and **8.8749, 17.1901, 4.6840** is the 20% darker color. If you saturate the color by 10%, you get **19.9599, 37.1013, 15.3422**, and if you desaturate by 10%, it is **20.6744, 37.4179, 17.7135**.

Distribution



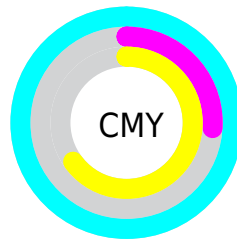
- Red (0%)
- Green (74%)
- Blue (35%)



- Red (0%)
- Yellow (51%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.9590, 37.0998, 15.3415 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 19.9590, 37.0998, 15.3415 by changing the saturation by 10% instead.


 19.9590, 37.0998,
15.3415


 19.9590, 37.0998,
15.3415


244.5309,
333.7424, 237.1356


 12.4733, 25.2848,
8.9101


 42.8529, 70.7263,
36.2019

 7.1414, 16.2893,
4.5866


 58.9918, 93.3065,
51.4680


 3.5978, 9.7291,
1.9524


 78.7459, 120.2439,
70.5161

 1.4772, 5.2197,
0.5257

 102.4805,
151.9228, 93.7648

 0.3102, 2.3768,
0.0000

 130.5609,
188.7278, 121.6325

 0.0000, 0.8139,
0.0000

 163.3526,

 0.0000, 0.0000,

231.0431, 154.5379

0.0000

201.2208,
279.2532, 192.8994

■ 19.9590, 37.0998,
15.3415

■ 19.9590, 37.0998,
15.3415

■ 19.9599, 37.1013,
15.3422

■ 20.6744, 37.4179,
17.7135

■ 21.7080, 37.8920,
20.4138

■ 23.1568, 38.5730,
23.4590

■ 25.0703, 39.4861,
26.8618

■ 27.4902, 40.6527,
30.6342

■ 30.4537, 42.0915,
34.7875

■ 33.9940, 43.8197,
39.3327

■ 38.1418, 45.8528,
44.2799

■ 42.9256, 48.2052,
49.6391

Harmonies

Analogous

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



26.1815, 37.0998, 6.5438



19.9590, 37.0998, 15.3415



17.7302, 37.0998, 37.6871

Triad

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



19.9590, 37.0998, 15.3415



34.3035, 37.0998, 139.6431



58.2245, 37.0998, 17.9988

Complementary

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



19.9590, 37.0998, 15.3415



23.3362, 11.7589, 13.3523

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.



61.6696, 37.0998, 43.2303



19.9590, 37.0998, 15.3415



46.2318, 37.0998, 124.3956

Square

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



19.9590, 37.0998, 15.3415



24.8313, 37.0998, 118.6219



56.8832, 37.0998, 83.8884



48.2686, 37.0998, 7.4023

Rectangle

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



19.9590, 37.0998, 15.3415



18.3544, 37.0998, 62.0215



56.8832, 37.0998, 83.8884



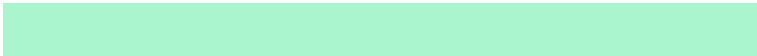
60.2641, 37.0998, 24.4905

Sweetspot

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



19.9599, 37.1013, 15.3423



60.5515, 78.3169, 70.0343



23.9018, 39.3369, 6.3331



12.4233, 16.5495, 14.3071



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



19.9599, 37.1013, 15.3423



35.6281, 66.3983, 26.8523



26.3911, 39.6738, 49.2087



9.5886, 10.7216, 11.0832



13.4669, 24.9771, 10.5216



0.5606, 0.9916, 0.5862

Inverse Universe

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



23.3362, 11.7589, 13.3523



41.6709, 21.0103, 23.2675



21.0389, 10.8400, 1.2549



9.7375, 9.6193, 11.0068



15.7396, 7.9270, 9.1884



0.6493, 0.3236, 0.5324

Previews

White Background



This preview shows how the XYZ color 19.9590, 37.0998, 15.3415 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 19.9590, 37.0998, 15.3415 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

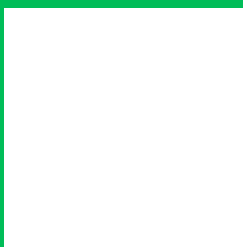
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.9590, 37.0998, 15.3415

Background



This preview shows how black text looks on a background with the XYZ color 19.9590, 37.0998, 15.3415.



This preview shows how white text looks on a background with the XYZ color 19.9590, 37.0998,

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

19.9590, 37.0998, 15.3415

Protanopia

33.3309, 36.4622, 12.6783

Deuteranopia

37.1677, 36.3115, 16.3591



Tritanopia

28.1825, 37.0630, 55.5377

Trichromacy



Original Color

19.9590, 37.0998, 15.3415



Protanomaly

23.3457, 33.7591, 13.2683



Deuteranomaly

24.4433, 32.8812, 15.6481



Tritanomaly

23.6874, 36.3698, 36.3435

Monochromacy



Original Color

19.9590, 37.0998, 15.3415



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

16.0998, 23.2397, 18.1052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9590, 37.0998, 15.3415 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, 189, 88)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 88)  
}
```

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, 189, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 88) }
```

Border

The CSS property to change the border of an element to XYZ 19.9590, 37.0998, 15.3415 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, 189, 88) }
```


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

```
.border{ border-color:rgb(0, 189, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 189, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 88);  
box-shadow:4px 4px 4px 4px rgb(0, 189, 88)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.9590, 37.0998, 15.3415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 88) }
```

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

```
.background{ background-color: rgb(0, 189,  
88) }
```

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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