

Converting Colors

XYZ(20.3675, 38.0436, 15.0865)

Have a look what the booklet for
XYZ(20.3675, 38.0436, 15.0865)
contains.

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Color

**XYZ(20.3105, 37.9335,
15.0555)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF56
RGB	0, 191, 86
RGB Percent	0%, 75%, 34%
CMY	1.0000, 0.2510, 0.6627
CMYK	1.00, 0.00, 0.55, 0.25
HSL	147°, 100%, 37%
HSV	147°, 100%, 75%
XYZ	20.3105, 37.9335, 15.0555
YIQ	121.9210, -80.1310, -73.1470

Conversions

Conversions Part 2

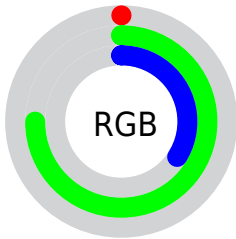
Format	Color
RYB	0, 132, 191
Decimal	48982
CIELab	67.97, -63.02, 41.36
CIELCh	68, 75.379, 146.725
Yxy	37.9335, 0.2771, 0.5175
Android (android.graphics.Color)	4278239062 (0xFF00BF56)
YUV	121.9210, -17.7091, -106.9247
Hunter-Lab	61.5902, -48.9191, 28.6199

Details

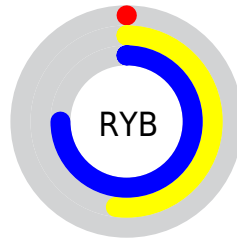
The XYZ color **20.3105, 37.9335, 15.0555** is a dark color, and the websafe version is hex **00CC66**. A complement of this color would be **24.0369, 12.0970, 14.4342**, and the grayscale version is **18.5487, 19.5147, 21.2515**.

A 20% lighter version of the original color is **43.5001, 72.1830, 35.6848**, and **9.1075, 17.7297, 4.5323** is the 20% darker color. If you saturate the color by 10%, you get **20.3113, 37.9350, 15.0558**, and if you desaturate by 10%, it is **21.0367, 38.2564, 17.4637**.

Distribution



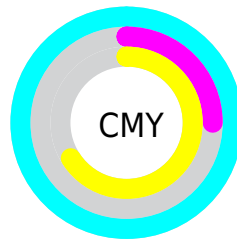
- Red (0%)
- Green (75%)
- Blue (34%)



- Red (0%)
- Yellow (52%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (55%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.3105, 37.9335, 15.0555 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 20.3105, 37.9335, 15.0555 by changing the saturation by 10% instead.


 20.3105, 37.9335,
15.0555


 20.3105, 37.9335,
15.0555


246.3928,
337.3346, 235.3542


 12.7305, 25.9311,
8.7113

 43.4371, 72.0062,
35.6942

 7.3190, 16.7721,
4.4591


 59.7145, 94.8453,
50.8258


 3.7105, 10.0721,
1.8804


 79.6217, 122.0653,
69.7235

 1.5397, 5.4468,
0.4802

 103.5241,
154.0508, 92.8060

 0.3526, 2.5117,
0.0000

 131.7871,
191.1861, 120.4918

 0.0000, 0.8825,
0.0000

164.7759,

 0.0000, 0.0000,

233.8556, 153.1994

0.0000

202.8560,
282.4436, 191.3474

■ 20.3105, 37.9335,
15.0555

■ 20.3105, 37.9335,
15.0555

■ 20.3113, 37.9350,
15.0558

■ 21.0367, 38.2564,
17.4637

■ 22.0925, 38.7407,
20.2242

■ 23.5770, 39.4382,
23.3551

■ 25.5410, 40.3749,
26.8705

■ 28.0278, 41.5728,
30.7839

■ 31.0754, 43.0514,
35.1077

■ 34.7185, 44.8282,
39.8541

■ 38.9884, 46.9192,
45.0344

■ 43.9145, 49.3393,
50.6596

Harmonies

Analogous

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



26.8436, 37.9335, 6.3236



20.3105, 37.9335, 15.0555



17.9171, 37.9335, 37.7258

Triad

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



20.3105, 37.9335, 15.0555



34.7829, 37.9335, 144.9914



60.1492, 37.9335, 18.5538

Complementary

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



20.3105, 37.9335, 15.0555



24.0369, 12.0970, 14.4342

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.



63.5442, 37.9335, 45.0998



20.3105, 37.9335, 15.0555



47.1632, 37.9335, 129.8750

Square

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



20.3105, 37.9335, 15.0555



25.0538, 37.9335, 122.1234



58.3570, 37.9335, 87.7734



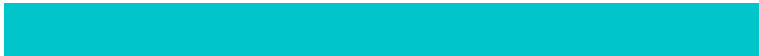
49.8800, 37.9335, 7.4382

Rectangle

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



20.3105, 37.9335, 15.0555



18.4980, 37.9335, 62.7889



58.3570, 37.9335, 87.7734



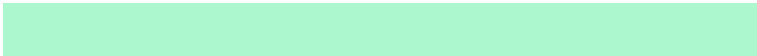
62.2169, 37.9335, 25.3806

Sweetspot

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



20.3114, 37.9350, 15.0564



61.8418, 80.1199, 70.9526



24.4636, 40.2696, 6.4836



12.9438, 17.2830, 14.7666



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.



20.3114, 37.9350, 15.0564



36.2576, 67.8917, 26.3395



27.0187, 40.6180, 50.3764



9.5825, 10.7191, 11.0511



13.3872, 24.9452, 10.1017



0.5574, 0.9903, 0.5694

Inverse Universe

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



24.0369, 12.0970, 14.4342



42.9238, 21.6149, 25.1948



21.5391, 11.0979, 1.2812



9.7437, 9.6218, 11.0392



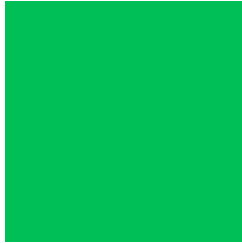
15.8371, 7.9660, 9.7015



0.6529, 0.3251, 0.5514

Previews

White Background



This preview shows how the XYZ color 20.3105, 37.9335, 15.0555 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 20.3105, 37.9335, 15.0555 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 20.3105, 37.9335, 15.0555

Background



This preview shows how black text looks on a background with the XYZ color 20.3105, 37.9335, 15.0555.



This preview shows how white text looks on a background with the XYZ color 20.3105, 37.9335,

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

20.3105, 37.9335, 15.0555

Protanopia

34.0861, 37.3912, 12.4419

Deuteranopia

37.9419, 37.2195, 16.0108



Tritanopia

28.9605, 38.0334, 56.8537

Trichromacy



Original Color

20.3105, 37.9335, 15.0555



Protanomaly

23.7865, 34.5643, 13.0073



Deuteranomaly

24.8721, 33.6607, 15.3115



Tritanomaly

24.2758, 37.2759, 36.9258

Monochromacy



Original Color

20.3105, 37.9335, 15.0555



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

16.3359, 23.5913, 18.1606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3105, 37.9335, 15.0555 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, 86)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 86)  
}
```

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, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 86) }
```

Border

The CSS property to change the border of an element to XYZ 20.3105, 37.9335, 15.0555 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, 86) }
```


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

```
.border{ border-color:rgb(0, 191, 86) }
```

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, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 86);  
box-shadow:4px 4px 4px 4px rgb(0, 191, 86)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.3105, 37.9335, 15.0555 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, 86) }
```

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

```
.background{ background-color: rgb(0, 191,  
86) }
```

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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