

Converting Colors

XYZ(20.6223, 37.2621, 19.1495)

Have a look what the booklet for
XYZ(20.6223, 37.2621, 19.1495)
contains.

XYZ(20.6963, 37.3947, 19.2238)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.6963, 37.3947,
19.2238)**

Conversions

Conversions Part 1

Format	Color
Hex	00BD68
RGB	0, 189, 104
RGB Percent	0%, 74%, 41%
CMY	1.0000, 0.2588, 0.5921
CMYK	1.00, 0.00, 0.45, 0.26
HSL	153°, 100%, 37%
HSV	153°, 100%, 74%
XYZ	20.6963, 37.3947, 19.2238
YIQ	122.7990, -85.3590, -66.5030

Conversions

Conversions Part 2

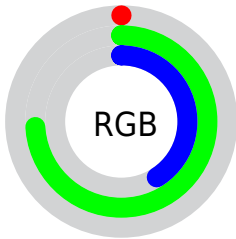
Format	Color
RYB	0, 122, 189
Decimal	48488
CIELab	67.57, -59.42, 31.89
CIELCh	68, 67.435, 151.777
Yxy	37.3947, 0.2677, 0.4837
Android (android.graphics.Color)	4278238568 (0xFF00BD68)
YUV	122.7990, -9.2679, -107.6947
Hunter-Lab	61.1512, -46.6022, 24.1671

Details

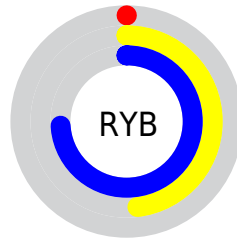
The XYZ color **20.6963, 37.3947, 19.2238** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **22.6273, 11.4755, 9.6191**, and the grayscale version is **18.8117, 19.7914, 21.5529**.

A 20% lighter version of the original color is **44.1913, 71.4632, 42.9171**, and **9.2147, 17.3260, 6.4730** is the 20% darker color. If you saturate the color by 10%, you get **20.6969, 37.3960, 19.2234**, and if you desaturate by 10%, it is **21.4178, 37.7153, 21.6274**.

Distribution



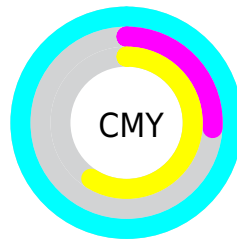
- Red (0%)
- Green (74%)
- Blue (41%)



- Red (0%)
- Yellow (48%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (45%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.6963, 37.3947, 19.2238 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 20.6963, 37.3947, 19.2238 by changing the saturation by 10% instead.


 20.6963, 37.3947,
19.2238


 20.6963, 37.3947,
19.2238


248.4224,
335.0162, 260.1453


 13.0134, 25.5132,
11.6537


 44.0766, 71.1794,
42.9537


 7.5148, 16.4598,
6.3886


 60.5048, 93.8515,
59.9504


 3.8353, 9.8501,
3.0102


 80.5787, 120.8892,
80.9265

 1.6094, 5.2997,
1.0999

 104.6637,
152.6769, 106.3004

 0.3985, 2.4242,
0.0000

 133.1253,
189.5991, 136.4907

 0.0000, 0.8383,
0.0000

 166.3287,

 0.0000, 0.0000,

232.0401, 171.9159

0.0000

204.6393,
280.3843, 212.9946

■ 20.6963, 37.3947,
19.2238

■ 20.6963, 37.3947,
19.2238

■ 20.6969, 37.3960,
19.2234

■ 21.4178, 37.7153,
21.6274

■ 22.4421, 38.1857,
24.2780

■ 23.8653, 38.8564,
27.1872

■ 25.7358, 39.7524,
30.3630

■ 28.0948, 40.8945,
33.8133

■ 30.9784, 42.3015,
37.5451

■ 34.4193, 43.9899,
41.5654

■ 38.4474, 45.9751,
45.8808

■ 43.0904, 48.2713,
50.4977

Harmonies

Analogous

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



26.0332, 37.3947, 8.8894



20.6963, 37.3947, 19.2238



19.0915, 37.3947, 42.5146

Triad

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



20.6963, 37.3947, 19.2238



36.1650, 37.3947, 128.7518



55.3552, 37.3947, 17.4220

Complementary

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



20.6963, 37.3947, 19.2238



22.6273, 11.4755, 9.6191

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.



59.4598, 37.3947, 38.9698



20.6963, 37.3947, 19.2238



47.1244, 37.3947, 111.2132

Square

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



20.6963, 37.3947, 19.2238



26.9138, 37.3947, 114.7123



56.1908, 37.3947, 74.1760



45.8426, 37.3947, 8.2622

Rectangle

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



20.6963, 37.3947, 19.2238



20.0418, 37.3947, 65.8199



56.1908, 37.3947, 74.1760



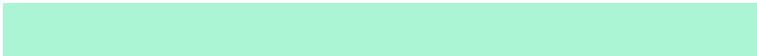
57.4882, 37.3947, 22.9775

Sweetspot

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



20.6972, 37.3962, 19.2247



61.3197, 78.6241, 74.0793



21.9499, 38.3306, 6.2420



12.6055, 16.6223, 15.2663



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.



20.6972, 37.3962, 19.2247



36.9440, 66.9247, 33.7815



25.4171, 36.1369, 53.7815



9.6225, 10.7351, 11.2616



13.9640, 25.1759, 13.1389



0.5795, 0.9992, 0.6860

Inverse Universe

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



22.6273, 11.4755, 9.6191



40.4064, 20.5045, 16.6087



21.0898, 11.0246, 1.0167



9.7037, 9.6058, 10.8288



15.2610, 7.7355, 6.6680



0.6308, 0.3162, 0.4349

Previews

White Background



This preview shows how the XYZ color 20.6963, 37.3947, 19.2238 looks on a white background.

Color Contrast Check

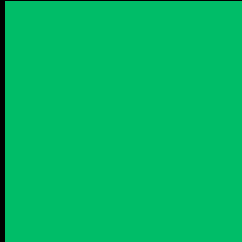
Large Text (above 18pt) WCAG AA × Fail

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 20.6963, 37.3947, 19.2238 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 20.6963, 37.3947, 19.2238

Background



This preview shows how black text looks on a background with the XYZ color 20.6963, 37.3947, 19.2238.



This preview shows how white text looks on a background with the XYZ color 20.6963, 37.3947,

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

20.6963, 37.3947, 19.2238

Protanopia

33.7080, 36.5862, 15.8749

Deuteranopia

37.3188, 36.5489, 20.4170



Tritanopia

28.3443, 37.4300, 56.1829

Trichromacy



Original Color

20.6963, 37.3947, 19.2238



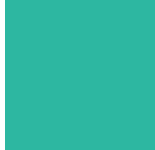
Protanomaly

23.8966, 33.9643, 16.8516



Deuteranomaly

25.0751, 33.3945, 19.5922



Tritanomaly

24.4487, 36.9981, 39.5710

Monochromacy



Original Color

20.6963, 37.3947, 19.2238



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

16.7280, 23.7481, 20.2252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6963, 37.3947, 19.2238 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, 104)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 104)  
}
```

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, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 104) }
```

Border

The CSS property to change the border of an element to XYZ 20.6963, 37.3947, 19.2238 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, 104) }
```


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

```
.border{ border-color:rgb(0, 189, 104) }
```

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, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 104);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6963, 37.3947, 19.2238 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, 104) }
```

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

```
.background{ background-color: rgb(0, 189,  
104) }
```

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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