

Converting Colors

XYZ(20.8854, 37.3672, 20.5378)

Have a look what the booklet for
XYZ(20.8854, 37.3672, 20.5378)
contains.

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Color

**XYZ(20.9579, 37.4993,
20.6015)**

Conversions

Conversions Part 1

Format	Color
Hex	00BD6D
RGB	0, 189, 109
RGB Percent	0%, 74%, 43%
CMY	1.0000, 0.2588, 0.5725
CMYK	1.00, 0.00, 0.42, 0.26
HSL	155°, 100%, 37%
HSV	155°, 100%, 74%
XYZ	20.9579, 37.4993, 20.6015
YIQ	123.3690, -86.9640, -64.9480

Conversions

Conversions Part 2

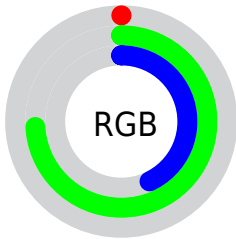
Format	Color
RYB	0, 120, 189
Decimal	48493
CIELab	67.65, -58.49, 29.41
CIELCh	68, 65.467, 153.309
Yxy	37.4993, 0.2651, 0.4743
Android (android.graphics.Color)	4278238573 (0xFF00BD6D)
YUV	123.3690, -7.0839, -108.1946
Hunter-Lab	61.2367, -46.0736, 22.9191

Details

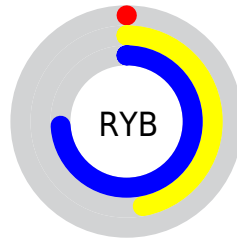
The XYZ color **20.9579, 37.4993, 20.6015** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **22.4356, 11.3988, 8.6095**, and the grayscale version is **18.9936, 19.9827, 21.7612**.

A 20% lighter version of the original color is **44.3186, 71.0261, 45.0918**, and **9.3407, 17.3764, 7.1366** is the 20% darker color. If you saturate the color by 10%, you get **20.9585, 37.5006, 20.6010**, and if you desaturate by 10%, it is **21.6762, 37.8185, 22.9877**.

Distribution



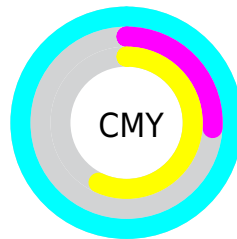
- Red (0%)
- Green (74%)
- Blue (43%)



- Red (0%)
- Yellow (47%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.9579, 37.4993, 20.6015 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 20.9579, 37.4993, 20.6015 by changing the saturation by 10% instead.


 20.9579, 37.4993,
20.6015


 20.9579, 37.4993,
20.6015


249.7906,
335.4672, 267.8642


 13.2055, 25.5943,
12.6446


 44.5093, 71.3400,
45.2955


 7.6482, 16.5204,
7.0565


 61.0390, 94.0446,
62.8697

 3.9206, 9.8931,
3.4185


 81.2251, 121.1178,
84.4868

 1.6573, 5.3282,
1.3121

 105.4331,
152.9440, 110.5653

 0.4293, 2.4411,
0.0716

 134.0283,
189.9077, 141.5238

 0.0000, 0.8469,
0.0000

 167.3761,

 0.0000, 0.0000,

232.3932, 177.7807

0.0000

205.8417,
280.7849, 219.7546

■ 20.9579, 37.4993,
20.6015

■ 20.9579, 37.4993,
20.6015

■ 20.9585, 37.5006,
20.6010

■ 21.6762, 37.8185,
22.9877

■ 22.6926, 38.2858,
25.5970

■ 24.1032, 38.9515,
28.4398

■ 25.9561, 39.8404,
31.5230

■ 28.2924, 40.9735,
34.8534

■ 31.1479, 42.3692,
38.4372

■ 34.5552, 44.0442,
42.2804

■ 38.5440, 46.0137,
46.3887

■ 43.1417, 48.2918,
50.7674

Harmonies

Analogous

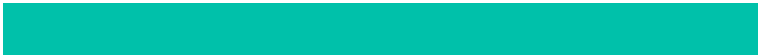
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



26.0081, 37.4993, 9.7615



20.9579, 37.4993, 20.6015



19.5609, 37.4993, 44.1247

Triad

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



20.9579, 37.4993, 20.6015



36.7744, 37.4993, 125.2941



54.4536, 37.4993, 17.2753

Complementary

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



20.9579, 37.4993, 20.6015



22.4356, 11.3988, 8.6095

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.



58.7497, 37.4993, 37.7042



20.9579, 37.4993, 20.6015



47.4020, 37.4993, 107.1545

Square

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



20.9579, 37.4993, 20.6015



27.6133, 37.4993, 113.3777



55.9538, 37.4993, 71.2436



45.0931, 37.4993, 8.5766

Rectangle

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



20.9579, 37.4993, 20.6015



20.6199, 37.4993, 67.0199



55.9538, 37.4993, 71.2436



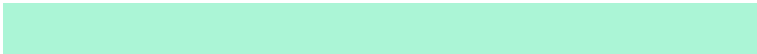
56.6104, 37.4993, 22.5443

Sweetspot

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



20.9589, 37.5008, 20.6024



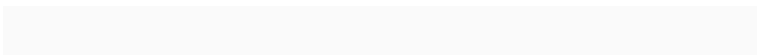
61.5660, 78.7226, 75.3762



21.6700, 38.1863, 6.2289



12.6641, 16.6458, 15.5751



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.



20.9589, 37.5008, 20.6024



37.4127, 67.1122, 36.2499



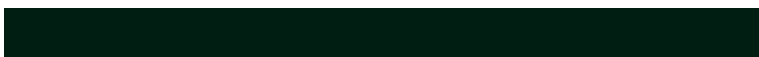
24.7904, 34.8836, 53.5725



9.6332, 10.7394, 11.3177



14.1398, 25.2462, 14.0651



0.5859, 1.0017, 0.7197

Inverse Universe

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



22.4356, 11.3988, 8.6095



40.0661, 20.3684, 14.8167



21.1261, 11.0972, 1.0288



9.6932, 9.6016, 10.7735



15.1311, 7.6836, 5.9839



0.6254, 0.3141, 0.4068

Previews

White Background



This preview shows how the XYZ color 20.9579, 37.4993, 20.6015 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 20.9579, 37.4993, 20.6015 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 20.9579, 37.4993, 20.6015

Background



This preview shows how black text looks on a background with the XYZ color 20.9579, 37.4993, 20.6015.



This preview shows how white text looks on a background with the XYZ color 20.9579, 37.4993,

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

20.9579, 37.4993, 20.6015

Protanopia

34.1180, 37.0355, 17.1547

Deuteranopia

37.5160, 36.8676, 21.9685



Tritanopia

28.3835, 37.4373, 56.7691

Trichromacy



Original Color

20.9579, 37.4993, 20.6015



Protanomaly

24.3312, 34.4438, 18.1979



Deuteranomaly

25.3936, 33.8018, 21.1056



Tritanomaly

24.6265, 37.0692, 40.5075

Monochromacy



Original Color

20.9579, 37.4993, 20.6015



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

16.8456, 23.7951, 20.8446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9579, 37.4993, 20.6015 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, 109)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 109)  
}
```

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, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 109) }
```

Border

The CSS property to change the border of an element to XYZ 20.9579, 37.4993, 20.6015 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, 109) }
```


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

```
.border{ border-color:rgb(0, 189, 109) }
```

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, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 109);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9579, 37.4993, 20.6015 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, 109) }
```

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

```
.background{ background-color: rgb(0, 189,  
109) }
```

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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