

Converting Colors

XYZ(21.2243, 37.9720, 21.1912)

Have a look what the booklet for
XYZ(21.2243, 37.9720, 21.1912)
contains.

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Color

**XYZ(21.2827, 37.9746,
21.2470)**

Conversions

Conversions Part 1

Format	Color
Hex	00BE6F
RGB	0, 190, 111
RGB Percent	0%, 75%, 44%
CMY	0.9999, 0.2549, 0.5647
CMYK	1.00, 0.00, 0.42, 0.25
HSL	155°, 100%, 37%
HSV	155°, 100%, 75%
XYZ	21.2827, 37.9746, 21.2470
YIQ	124.1840, -87.8810, -64.8490

Conversions

Conversions Part 2

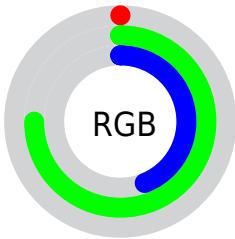
Format	Color
RYB	0, 120, 190
Decimal	48751
CIELab	68.00, -58.46, 28.83
CIELCh	68, 65.177, 153.751
Yxy	37.9746, 0.2644, 0.4717
Android (android.graphics.Color)	4278238831 (0xFF00BE6F)
YUV	124.1840, -6.4997, -108.9094
Hunter-Lab	61.6235, -46.1933, 22.6940

Details

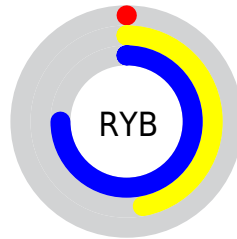
The XYZ color **21.2827, 37.9746, 21.2470** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **22.6480, 11.5126, 8.4284**, and the grayscale version is **19.2634, 20.2666, 22.0703**.

A 20% lighter version of the original color is **45.1080, 72.3205, 46.2322**, and **9.5335, 17.6757, 7.4667** is the 20% darker color. If you saturate the color by 10%, you get **21.2832, 37.9759, 21.2462**, and if you desaturate by 10%, it is **22.0069, 38.2965, 23.6542**.

Distribution



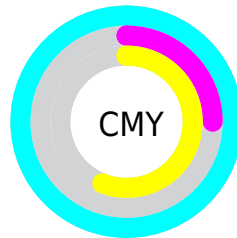
- Red (0%)
- Green (75%)
- Blue (44%)



- Red (0%)
- Yellow (47%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (25%)



- Cyan (100%)
- Magenta (25%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2827, 37.9746, 21.2470 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 21.2827, 37.9746, 21.2470 by changing the saturation by 10% instead.

■ 21.2827, 37.9746,
21.2470

■ 21.2827, 37.9746,
21.2470

251.4805,
337.5110, 271.4123

■ 13.4444, 25.9630,
13.1117

■ 45.0453, 72.0692,
46.3844

■ 7.8144, 16.7959,
7.3739

■ 61.7003, 94.9210,
64.2235

■ 4.0272, 10.0891,
3.6150

■ 82.0250, 122.1549,
86.1343

■ 1.7175, 5.4581,
1.4166

■ 106.3847,
154.1554, 112.5353

■ 0.4672, 2.5185,
0.1546

■ 135.1447,
191.3069, 143.8451

■ 0.0000, 0.8859,
0.0000

■ 168.6705,

■ 0.0000, 0.0000,

233.9937, 180.4821

0.0000

207.3273,
282.6003, 222.8650

■ 21.2827, 37.9746,
21.2470

■ 21.2827, 37.9746,
21.2470

■ 21.2832, 37.9759,
21.2462

■ 22.0069, 38.2965,
23.6542

■ 23.0320, 38.7678,
26.2806

■ 24.4547, 39.4395,
29.1363

■ 26.3238, 40.3366,
32.2282

■ 28.6808, 41.4803,
35.5629

■ 31.5622, 42.8894,
39.1463

■ 35.0006, 44.5806,
42.9843

■ 39.0263, 46.5693,
47.0824

■ 43.6670, 48.8699,
51.4459

Harmonies

Analogous

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



26.3116, 37.9746, 10.1348



21.2827, 37.9746, 21.2470



19.9285, 37.9746, 45.1081

Triad

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



21.2827, 37.9746, 21.2470



37.3838, 37.9746, 125.8077



54.8467, 37.9746, 17.4421

Complementary

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



21.2827, 37.9746, 21.2470



22.6480, 11.5126, 8.4284

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.



59.2461, 37.9746, 37.8027



21.2827, 37.9746, 21.2470



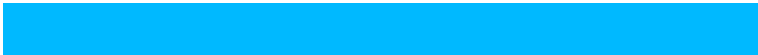
48.0419, 37.9746, 107.2946

Square

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



21.2827, 37.9746, 21.2470



28.1412, 37.9746, 114.3390



56.5493, 37.9746, 71.2765



45.4188, 37.9746, 8.7708

Rectangle

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



21.2827, 37.9746, 21.2470



21.0311, 37.9746, 68.1518



56.5493, 37.9746, 71.2765



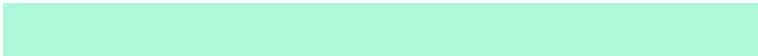
57.0352, 37.9746, 22.6939

Sweetspot

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



21.2837, 37.9761, 21.2479



63.0922, 80.6201, 77.5372



21.6533, 38.4981, 6.2900



13.2472, 17.4044, 16.3639



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.



21.2837, 37.9761, 21.2479



38.4401, 68.7647, 37.8322



24.4638, 34.0560, 54.0011



9.6362, 10.7406, 11.3336



14.1914, 25.2669, 14.3368



0.5878, 1.0025, 0.7295

Inverse Universe

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



22.6480, 11.5126, 8.4284



40.9221, 20.8142, 14.6539



21.4191, 11.3136, 1.0552



9.6903, 9.6004, 10.7580



15.0960, 7.6695, 5.7990



0.6240, 0.3135, 0.3991

Previews

White Background



This preview shows how the XYZ color 21.2827, 37.9746, 21.2470 looks on a white background.

Color Contrast Check

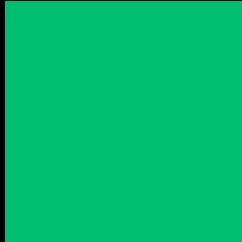
Large Text (above 18pt) WCAG AA × Fail

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 21.2827, 37.9746, 21.2470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

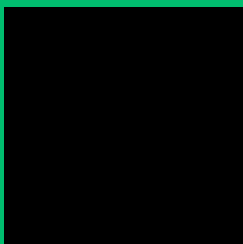
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

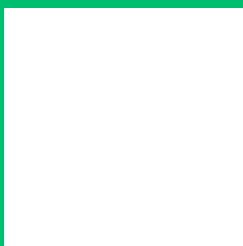
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.2827, 37.9746, 21.2470

Background



This preview shows how black text looks on a background with the XYZ color 21.2827, 37.9746, 21.2470.



This preview shows how white text looks on a background with the XYZ color 21.2827, 37.9746,

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

21.2827, 37.9746, 21.2470

Protanopia

34.4468, 37.1938, 17.6755

Deuteranopia

38.0623, 37.3877, 22.6632



Tritanopia

28.6974, 37.8847, 57.4297

Trichromacy



Original Color

21.2827, 37.9746, 21.2470



Protanomaly

24.5636, 34.5519, 18.7391



Deuteranomaly

25.8393, 34.2955, 21.7808



Tritanomaly

24.9235, 37.5192, 41.0503

Monochromacy



Original Color

21.2827, 37.9746, 21.2470



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

17.1441, 24.1740, 21.2152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2827, 37.9746, 21.2470 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, 190, 111)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 111)  
}
```

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, 190, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 111) }
```

Border

The CSS property to change the border of an element to XYZ 21.2827, 37.9746, 21.2470 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, 190, 111) }
```


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

```
.border{ border-color:rgb(0, 190, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 190, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 190, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 190, 111);  
box-shadow:4px 4px 4px 4px rgb(0, 190,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2827, 37.9746, 21.2470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 190, 111) }
```

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

```
.background{ background-color: rgb(0, 190,  
111) }
```

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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