

Converting Colors

XYZ(21.8982, 38.6241, 20.9134)

Have a look what the booklet for
XYZ(21.8982, 38.6241, 20.9134)
contains.

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Color

**XYZ(21.9242, 38.6343,
21.0535)**

Conversions

Conversions Part 1

Format	Color
Hex	1CBF6E
RGB	28, 191, 110
RGB Percent	11%, 75%, 43%
CMY	0.8902, 0.2510, 0.5686
CMYK	0.85, 0.00, 0.42, 0.25
HSL	150°, 74%, 43%
HSV	150°, 85%, 75%
XYZ	21.9242, 38.6343, 21.0535
YIQ	133.0290, -71.1470, -59.7470

Conversions

Conversions Part 2

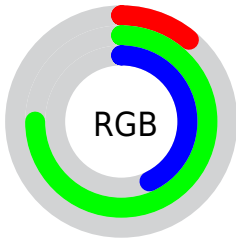
Format	Color
R_{YB}	28, 136, 191
Decimal	1884014
CIE _{Lab}	68.49, -57.52, 30.01
CIE _{LCh}	68, 64.879, 152.445
Yxy	38.6343, 0.2686, 0.4734
Android (android.graphics.Color)	4280074094 (0xFF1CBF6E)
YUV	133.0290, -11.3533, -92.1104
Hunter-Lab	62.1565, -45.8123, 23.4270

Details

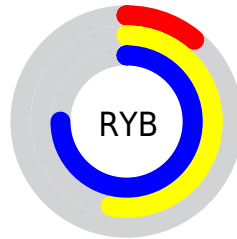
The XYZ color **21.9242, 38.6343, 21.0535** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **24.6628, 13.0119, 15.6817**, and the grayscale version is **22.3647, 23.5294, 25.6236**.

A 20% lighter version of the original color is **46.2230, 73.3633, 45.9067**, and **9.6465, 17.9452, 7.3702** is the 20% darker color. If you saturate the color by 10%, you get **21.0680, 38.2505, 18.4592**, and if you desaturate by 10%, it is **23.1683, 39.2137, 23.9567**.

Distribution



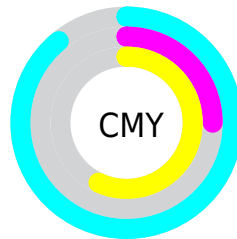
- Red (11%)
- Green (75%)
- Blue (43%)



- Red (11%)
- Yellow (53%)
- Blue (75%)



- Cyan (85%)
- Magenta (0%)
- Yellow (42%)
- Black (25%)





- Cyan (89%)
- Magenta (25%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.9242, 38.6343, 21.0535 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 21.9242, 38.6343, 21.0535 by changing the saturation by 10% instead.


 21.9242, 38.6343,
21.0535


 21.9242, 38.6343,
21.0535


254.7900,
340.3332, 270.3531


 13.9175, 26.4754,
12.9715


 46.1005, 73.0793,
46.0585


 8.1446, 17.1796,
7.2784


 63.0008, 96.1342,
63.8186


 4.2402, 10.3626,
3.5557


 83.5963, 123.5898,
85.6418

 1.8389, 5.6400,
1.3849

 108.2524,
155.8306, 111.9466

 0.5409, 2.6275,
0.1299

 137.3345,
193.2409, 143.1516

 0.0000, 0.9405,
0.0000

171.2079,

 0.0000, 0.0000,

236.2052, 179.6753

0.0000

210.2379,
285.1078, 221.9363

■ 21.9242, 38.6343,
21.0535

■ 21.9242, 38.6343,
21.0535

■ 21.0680, 38.2505,
18.4592

■ 23.1683, 39.2137,
23.9567

■ 20.7467, 38.1091,
17.3491

■ 24.8538, 40.0131,
27.1774

■ 27.0279, 41.0576,
30.7269

■ 29.7308, 42.3677,
34.6152

■ 32.9981, 43.9617,
38.8516

■ 36.8623, 45.8561,
43.4449

■ 41.3533, 48.0662,
48.4039

■ 46.4991, 50.6062,
53.7366

■ 52.3256, 53.4895,
59.4512

Harmonies

Analogous

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



27.1657, 38.6343, 10.2269



21.9242, 38.6343, 21.0535



20.3953, 38.6343, 44.5098

Triad

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



21.9242, 38.6343, 21.0535



37.5644, 38.6343, 126.9206



55.8988, 38.6343, 18.5425

Complementary

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



21.9242, 38.6343, 21.0535



24.6628, 13.0119, 15.6817

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.



60.0268, 38.6343, 39.7137



21.9242, 38.6343, 21.0535



48.2886, 38.6343, 109.5650

Square

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



21.9242, 38.6343, 21.0535



28.3692, 38.6343, 114.1671



57.0140, 38.6343, 73.7941



46.5688, 38.6343, 9.3210

Rectangle

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



21.9242, 38.6343, 21.0535



21.4040, 38.6343, 67.3827



57.0140, 38.6343, 73.7941



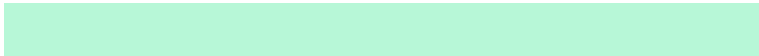
58.0114, 38.6343, 24.0484

Sweetspot

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



21.9252, 38.6359, 21.0544



65.2216, 81.7343, 76.8923



25.2102, 40.6302, 7.6127



13.7709, 17.6776, 16.2406



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.



21.9252, 38.6359, 21.0544



37.0332, 68.2019, 30.4241



28.5149, 41.2718, 55.7555



9.6036, 10.7275, 11.1619



13.6747, 25.0602, 11.6155



0.5687, 0.9948, 0.6288

Inverse Universe

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



24.6628, 13.0119, 15.6817



42.0515, 21.2659, 20.6010



22.1118, 11.9915, 2.2482



9.7225, 9.6133, 10.9278



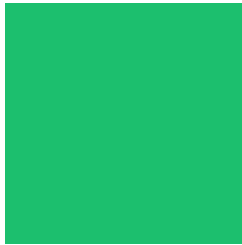
15.5158, 7.8375, 8.0099



0.6408, 0.3202, 0.4877

Previews

White Background



This preview shows how the XYZ color 21.9242, 38.6343, 21.0535 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 21.9242, 38.6343, 21.0535 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 21.9242, 38.6343, 21.0535

Background



This preview shows how black text looks on a background with the XYZ color 21.9242, 38.6343, 21.0535.



This preview shows how white text looks on a background with the XYZ color 21.9242, 38.6343,

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

21.9242, 38.6343, 21.0535

Protanopia

34.9925, 38.0163, 17.5502

Deuteranopia

38.6941, 37.9746, 22.4300



Tritanopia

29.3117, 38.4891, 58.1088

Trichromacy



Original Color

21.9242, 38.6343, 21.0535



Protanomaly

26.2861, 36.0194, 18.6637



Deuteranomaly

27.8108, 35.5979, 21.6249



Tritanomaly

25.8278, 38.2844, 41.6257

Monochromacy



Original Color

21.9242, 38.6343, 21.0535



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

19.9766, 27.0248, 23.5655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9242, 38.6343, 21.0535 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(28, 191, 110)` looks like.

```
.text, #text, p{  
    color:rgb(28, 191, 110)  
}
```

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(28, 191, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 191, 110) }
```

Border

The CSS property to change the border of an element to XYZ 21.9242, 38.6343, 21.0535 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(28, 191, 110) }
```


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

```
.border{ border-color:rgb(28, 191, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 191, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 191, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 191, 110);  
box-shadow:4px 4px 4px 4px rgb(28, 191,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9242, 38.6343, 21.0535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 191, 110) }
```

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

```
.background{ background-color: rgb(28, 191,  
110) }
```

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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