

Converting Colors

XYZ(21.7848, 38.7410, 21.1924)

Have a look what the booklet for
XYZ(21.7848, 38.7410, 21.1924)
contains.

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Color

**XYZ(21.8611, 38.9266,
21.1132)**

Conversions

Conversions Part 1

Format	Color
Hex	0FC06E
RGB	15, 192, 110
RGB Percent	6%, 75%, 43%
CMY	0.9411, 0.2470, 0.5686
CMYK	0.92, 0.00, 0.43, 0.25
HSL	152°, 85%, 41%
HSV	152°, 92%, 75%
XYZ	21.8611, 38.9266, 21.1132
YIQ	129.7290, -79.1700, -63.0260

Conversions

Conversions Part 2

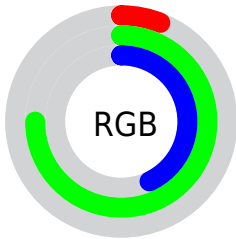
Format	Color
RYB	15, 130, 192
Decimal	1032302
CIELab	68.70, -58.73, 30.27
CIElCh	69, 66.072, 152.733
Yxy	38.9266, 0.2669, 0.4753
Android (android.graphics.Color)	4279222382 (0xFF0FC06E)
YUV	129.7290, -9.7264, -100.6173
Hunter-Lab	62.3912, -46.6404, 23.6101

Details

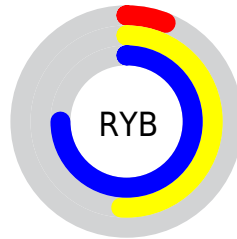
The XYZ color **21.8611, 38.9266, 21.1132** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **24.0682, 12.4121, 12.4391**, and the grayscale version is **21.1772, 22.2800, 24.2630**.

A 20% lighter version of the original color is **46.0740, 73.7466, 45.9886**, and **9.7880, 18.2282, 7.4174** is the 20% darker color. If you saturate the color by 10%, you get **21.3010, 38.6809, 19.1882**, and if you desaturate by 10%, it is **22.8406, 39.3738, 23.8166**.

Distribution



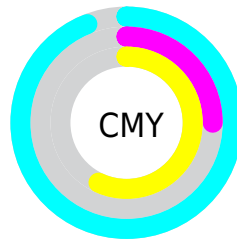
- Red (6%)
- Green (75%)
- Blue (43%)



- Red (6%)
- Yellow (51%)
- Blue (75%)



- Cyan (92%)
- Magenta (0%)
- Yellow (43%)
- Black (25%)



- Cyan (94%)
- Magenta (25%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8611, 38.9266, 21.1132 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 21.8611, 38.9266, 21.1132 by changing the saturation by 10% instead.

■ 21.8611, 38.9266,
21.1132

■ 21.8611, 38.9266,
21.1132

254.4661,
341.5783, 270.6803

■ 13.8709, 26.7026,
13.0147

■ 45.9969, 73.5262,
46.1591

■ 8.1120, 17.3500,
7.3078

■ 62.8732, 96.6706,
63.9436

■ 4.2191, 10.4844,
3.5740

■ 83.4422, 124.2239,
85.7938

■ 1.8268, 5.7213,
1.3947

■ 108.0694,
156.5706, 112.1284

■ 0.5338, 2.6763,
0.1376

■ 137.1200,
194.0949, 143.3657

■ 0.0000, 0.9652,
0.0000

170.9594,

■ 0.0000, 0.0000,

237.1814, 179.9245

0.0000

209.9530,
286.2144, 222.2231

■ 21.8611, 38.9266,
21.1132

■ 21.8611, 38.9266,
21.1132

■ 21.3010, 38.6809,
19.1882

■ 22.8406, 39.3738,
23.8166

■ 24.2229, 40.0218,
26.7991

■ 26.0616, 40.8992,
30.0707

■ 28.4011, 42.0287,
33.6403

■ 31.2801, 43.4300,
37.5159

■ 34.7333, 45.1211,
41.7054

■ 38.7925, 47.1180,
46.2162

■ 43.4870, 49.4359,
51.0556

■ 48.8442, 52.0886,
56.2303

Harmonies

Analogous

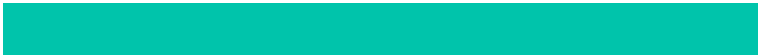
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



27.1648, 38.9266, 10.0719



21.8611, 38.9266, 21.1132



20.3420, 38.9266, 45.1870

Triad

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



21.8611, 38.9266, 21.1132



37.9646, 38.9266, 129.7332



56.5999, 38.9266, 18.2663

Complementary

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



21.8611, 38.9266, 21.1132



24.0682, 12.4121, 12.4391

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.



60.9097, 38.9266, 39.7002



21.8611, 38.9266, 21.1132



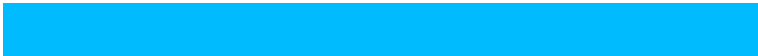
48.9583, 38.9266, 111.5357

Square

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



21.8611, 38.9266, 21.1132



28.5374, 38.9266, 116.8461



57.8810, 38.9266, 74.5828



46.9859, 38.9266, 9.0558

Rectangle

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



21.8611, 38.9266, 21.1132



21.3915, 38.9266, 68.7300



57.8810, 38.9266, 74.5828



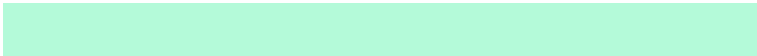
58.7909, 38.9266, 23.8131

Sweetspot

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



21.8621, 38.9282, 21.1141



65.5474, 83.0386, 78.5482



23.9313, 40.3100, 6.9716



13.4113, 17.4949, 16.1068



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.



21.8621, 38.9282, 21.1141



38.4661, 70.0337, 34.0892



27.2926, 39.0690, 55.9736



10.1653, 11.3472, 11.8740



14.3724, 26.0430, 13.1202



0.6555, 1.1391, 0.7487

Inverse Universe

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



24.0682, 12.4121, 12.4391



42.5280, 21.5613, 18.3758



22.0918, 11.7744, 1.5606



10.2630, 10.1538, 11.4754



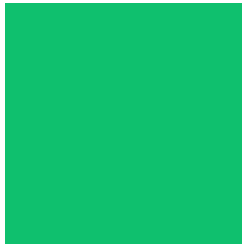
15.8780, 8.0410, 7.2698



0.7208, 0.3613, 0.4972

Previews

White Background



This preview shows how the XYZ color 21.8611, 38.9266, 21.1132 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 21.8611, 38.9266, 21.1132 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 21.8611, 38.9266, 21.1132

Background



This preview shows how black text looks on a background with the XYZ color 21.8611, 38.9266, 21.1132.

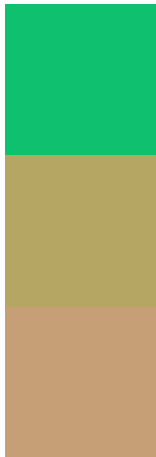


This preview shows how white text looks on a background with the XYZ color 21.8611, 38.9266,

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

21.8611, 38.9266, 21.1132

Protanopia

35.2279, 38.1376, 17.5612

Deuteranopia

38.9569, 38.1100, 22.4423



Tritanopia

29.4785, 38.8648, 58.7713

Trichromacy



Original Color

21.8611, 38.9266, 21.1132



Protanomaly

25.7138, 35.7244, 18.6369



Deuteranomaly

27.0175, 35.1889, 21.5878



Tritanomaly

25.7157, 38.5382, 41.6806

Monochromacy



Original Color

21.8611, 38.9266, 21.1132



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

18.9909, 26.2872, 22.8119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8611, 38.9266, 21.1132 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(15, 192, 110)` looks like.

```
.text, #text, p{  
    color:rgb(15, 192, 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(15, 192, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 192, 110) }
```

Border

The CSS property to change the border of an element to XYZ 21.8611, 38.9266, 21.1132 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(15, 192, 110) }
```


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

```
.border{ border-color:rgb(15, 192, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 192, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 192, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 192, 110);  
box-shadow:4px 4px 4px 4px rgb(15, 192,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8611, 38.9266, 21.1132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 192, 110) }
```

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

```
.background{ background-color: rgb(15, 192,  
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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