

Converting Colors

XYZ(21.9244, 38.2930, 7.3534)

Have a look what the booklet for
XYZ(21.9244, 38.2930, 7.3534)
contains.

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Color

**XYZ(21.8869, 38.2729,
7.3325)**

Conversions

Conversions Part 1

Format	Color
Hex	52BD1C
RGB	82, 189, 28
RGB Percent	32%, 74%, 11%
CMY	0.6784, 0.2588, 0.8902
CMYK	0.57, 0.00, 0.85, 0.26
HSL	100°, 74%, 43%
HSV	100°, 85%, 74%
XYZ	21.8869, 38.2729, 7.3325
YIQ	138.6530, -12.0910, -72.7550

Conversions

Conversions Part 2

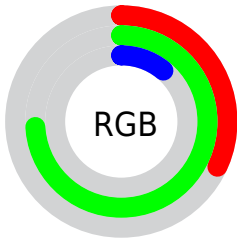
Format	Color
RYB	28, 189, 135
Decimal	5422364
CIELab	68.22, -56.55, 63.84
CIELCh	68, 85.287, 131.537
Yxy	38.2729, 0.3243, 0.5671
Android (android.graphics.Color)	4283612444 (0xFF52BD1C)
YUV	138.6530, -54.5519, -49.6847
Hunter-Lab	61.8651, -45.1134, 36.2783

Details

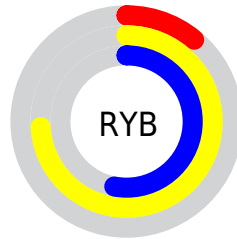
The XYZ color **21.8869, 38.2729, 7.3325** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **19.5951, 9.6573, 48.9775**, and the grayscale version is **24.6147, 25.8966, 28.2014**.

A 20% lighter version of the original color is **45.9566, 72.4005, 21.2254**, and **8.5251, 17.0502, 2.8417** is the 20% darker color. If you saturate the color by 10%, you get **20.7337, 37.6981, 6.4453**, and if you desaturate by 10%, it is **23.3836, 39.0108, 8.9772**.

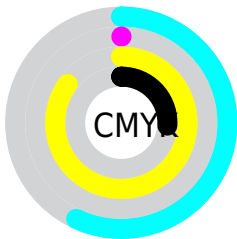
Distribution



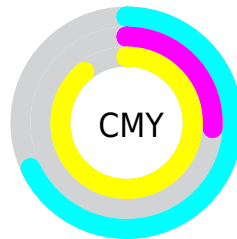
- Red (32%)
- Green (74%)
- Blue (11%)



- Red (11%)
- Yellow (74%)
- Blue (53%)



- Cyan (57%)
- Magenta (0%)
- Yellow (85%)
- Black (26%)





- Cyan (68%)
- Magenta (26%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.8869, 38.2729, 7.3325 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 21.8869, 38.2729, 7.3325 by changing the saturation by 10% instead.


 21.8869, 38.2729,
7.3325


 21.8869, 38.2729,
7.3325


254.5985,
338.7892, 180.1330


 13.8900, 26.1946,
3.5893


 46.0392, 72.5262,
21.1632


 8.1254, 16.9693,
1.4029

 62.9254, 95.4700,
32.0878

 4.2277, 10.2126,
0.1439


 83.5052, 122.8044,
46.2433


 1.8318, 5.5401,
0.0000

 108.1442,
154.9138, 64.0482

 0.5367, 2.5675,
0.0000

 137.2077,
192.1826, 85.9211

 0.0000, 0.9104,
0.0000

 171.0610,

 0.0000, 0.0000,

234.9951, 112.2805

0.0000

210.0695,
283.7359, 143.5450

■ 21.8869, 38.2729,
7.3325

■ 21.8869, 38.2729,
7.3325

■ 20.7337, 37.6981,
6.4453

■ 23.3836, 39.0108,
8.9772

■ 20.2729, 37.4662,
6.1632

■ 25.2545, 39.9214,
11.4996

■ 27.5289, 41.0188,
15.0007

■ 30.2320, 42.3140,
19.5675

■ 33.3867, 43.8172,
25.2769

■ 37.0142, 45.5378,
32.1992

■ 41.1343, 47.4845,
40.3987

■ 45.7655, 49.6657,
49.9352

■ 50.9253, 52.0891,
60.8648

Harmonies

Analogous

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



31.4865, 38.2729, 3.1883



21.8869, 38.2729, 7.3325



17.0747, 38.2729, 22.4759

Triad

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



21.8869, 38.2729, 7.3325



28.8468, 38.2729, 157.3296



67.7246, 38.2729, 28.6443

Complementary

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



21.8869, 38.2729, 7.3325



19.5951, 9.6573, 48.9775

Split Complementary

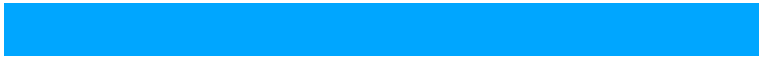
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.5187, 38.2729, 69.5201



21.8869, 38.2729, 7.3325



41.7499, 38.2729, 162.9618

Square

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



21.8869, 38.2729, 7.3325



20.3629, 38.2729, 111.7890



56.1648, 38.2729, 124.3407



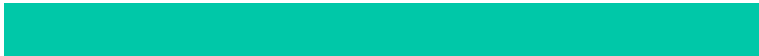
59.1415, 38.2729, 9.4836

Rectangle

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



21.8869, 38.2729, 7.3325



16.2954, 38.2729, 43.6737



56.1648, 38.2729, 124.3407



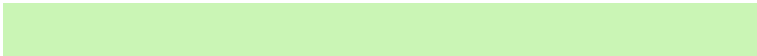
68.4975, 38.2729, 39.7338

Sweetspot

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



21.8878, 38.2745, 7.3333



65.4398, 81.1523, 56.0128



29.5374, 27.5842, 4.8667



13.5760, 17.2161, 11.0890



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.



21.8878, 38.2745, 7.3333



36.0799, 66.9820, 11.0272



19.3010, 36.8932, 9.3715



9.7022, 10.8009, 10.1501



13.7132, 25.2453, 4.1501



0.6081, 1.0254, 0.1659

Inverse Universe

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



19.5951, 9.6573, 48.9775



31.4949, 14.3358, 87.3333



28.1810, 14.3616, 36.8148



9.6107, 9.5317, 12.0055



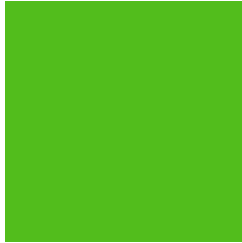
12.0153, 5.4802, 32.8174



0.5375, 0.2491, 1.2886

Previews

White Background



This preview shows how the XYZ color 21.8869, 38.2729, 7.3325 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 21.8869, 38.2729, 7.3325 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 21.8869, 38.2729, 7.3325

Background



This preview shows how black text looks on a background with the XYZ color 21.8869, 38.2729, 7.3325.



This preview shows how white text looks on a background with the XYZ color 21.8869, 38.2729,

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

21.8869, 38.2729, 7.3325

Protanopia

34.0213, 37.7657, 6.2059

Deuteranopia

38.3022, 37.5846, 7.9251



Tritanopia

31.2500, 38.0834, 54.4190

Trichromacy



Original Color

21.8869, 38.2729, 7.3325



Protanomaly

27.5137, 36.6340, 6.4851



Deuteranomaly

29.4713, 36.2105, 7.4435



Tritanomaly

25.8761, 37.3958, 27.3270

Monochromacy



Original Color

21.8869, 38.2729, 7.3325



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

21.7803, 28.8663, 16.2282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8869, 38.2729, 7.3325 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(82, 189, 28)` looks like.

```
.text, #text, p{  
    color:rgb(82, 189, 28)  
}
```

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(82, 189, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 189, 28) }
```

Border

The CSS property to change the border of an element to XYZ 21.8869, 38.2729, 7.3325 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(82, 189, 28) }
```


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

```
.border{ border-color:rgb(82, 189, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 189, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 189, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 189, 28);  
box-shadow:4px 4px 4px 4px rgb(82, 189,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8869, 38.2729, 7.3325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 189, 28) }
```

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

```
.background{ background-color: rgb(82, 189,  
28) }
```

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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