

Converting Colors

XYZ(38.1369, 72.6657, 15.6303)

Have a look what the booklet for
XYZ(38.1369, 72.6657, 15.6303)
contains.

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Color

**XYZ(38.1369, 72.6657,
15.6303)**

Conversions

Conversions Part 1

Format	Color
Hex	39FF37
RGB	57, 255, 55
RGB Percent	22%, 100%, 22%
CMY	0.7765, 0.0000, 0.7843
CMYK	0.78, 0.00, 0.78, 0.00
HSL	119°, 100%, 61%
HSV	119°, 78%, 100%
XYZ	38.1369, 72.6657, 15.6303
YIQ	172.9980, -53.8080, -104.1760

Conversions

Conversions Part 2

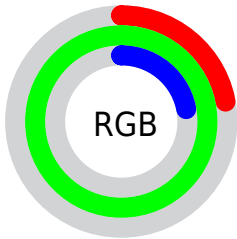
Format	Color
RYB	55, 255, 253
Decimal	3800887
CIELab	88.29, -80.73, 75.09
CIELCh	88, 110.253, 137.075
Yxy	72.6657, 0.3016, 0.5747
Android (android.graphics.Color)	4281990967 (0xFF39FF37)
YUV	172.9980, -58.1730, -101.7302
Hunter-Lab	85.2442, -69.3192, 48.7996

Details

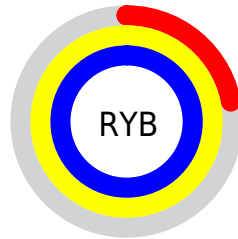
The XYZ color **38.1369, 72.6657, 15.6303** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **59.9281, 30.8377, 97.4014**, and the grayscale version is **40.0269, 42.1114, 45.8594**.

A 20% lighter version of the original color is **49.1242, 78.0386, 29.3035**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **36.5762, 71.9144, 13.1488**, and if you desaturate by 10%, it is **40.7279, 73.9116, 19.8082**.

Distribution



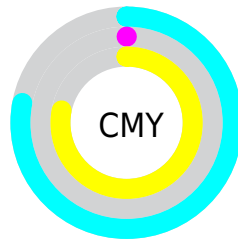
- Red (22%)
- Green (100%)
- Blue (22%)



- Red (22%)
- Yellow (100%)
- Blue (99%)



- Cyan (78%)
- Magenta (0%)
- Yellow (78%)
- Black (0%)





- Cyan (78%)
- Magenta (0%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1369, 72.6657, 15.6303 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 38.1369, 72.6657, 15.6303 by changing the saturation by 10% instead.


 38.1369, 72.6657,
15.6303


 38.1369, 72.6657,
15.6303


329.4776,
469.8554, 238.9210

 26.2667, 53.7027,
9.1114


 71.6205, 123.0025,
36.7130


 17.1570, 38.3640,
4.7161


 93.9645, 155.1451,
52.1139


 10.4425, 26.2653,
2.0259


 120.5305,
192.4496, 71.3125

 5.7578, 17.0222,
0.5711

 151.6838,
235.3005, 94.7275

 2.7376, 10.2503,
0.0000

 187.7899,
284.0821, 122.7773

 1.0166, 5.5653,
0.0000

229.2139,

 0.0000, 2.5826,

339.1788, 155.8804

0.0000

276.3214,
400.9751, 194.4555

■ 0.0000, 0.9179,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.1369, 72.6657,
15.6303

■ 38.1369, 72.6657,
15.6303

■ 36.5762, 71.9144,
13.1488

■ 40.7279, 73.9116,
19.8082

■ 35.8634, 71.5708,
12.0395

■ 44.4847, 75.7172,
25.9085

■ 35.7918, 71.5364,
11.9215

■ 49.5229, 78.1378,
34.1261

■ 55.9441, 81.2222,
44.6313

■ 63.8396, 85.0141,
57.5770

■ 73.2930, 89.5536,
73.1030

■ 84.3816, 94.8779,
91.3386

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



55.1931, 72.6657, 5.6083



38.1369, 72.6657, 15.6303



30.4316, 72.6657, 50.8276

Triad

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



38.1369, 72.6657, 15.6303



58.3120, 72.6657, 322.6470



129.9264, 72.6657, 43.6170

Complementary

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



38.1369, 72.6657, 15.6303



59.9281, 30.8377, 97.4014

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.



131.3837, 72.6657, 116.3429



38.1369, 72.6657, 15.6303



85.0894, 72.6657, 315.7326

Square

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



38.1369, 72.6657, 15.6303



39.9157, 72.6657, 240.7099



113.3631, 72.6657, 225.3954



109.7798, 72.6657, 13.2357

Rectangle

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



38.1369, 72.6657, 15.6303



29.9132, 72.6657, 98.4365



113.3631, 72.6657, 225.3954



132.7710, 72.6657, 62.5128

Sweetspot

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



38.1371, 72.6658, 15.6314



67.8284, 86.9296, 64.1254



76.6357, 90.9476, 17.1311



13.8258, 18.2741, 12.5890



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.1371, 72.6658, 15.6314



36.0920, 71.6809, 12.3968



42.9767, 74.5887, 41.6968



17.7883, 20.1768, 19.1013



18.7092, 37.3830, 6.2296



1.8273, 3.6428, 0.6068

Inverse Universe

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



59.9281, 30.8377, 97.4014



58.5928, 28.3805, 96.9975



48.8073, 26.4735, 35.0379



18.7738, 18.2906, 22.7909



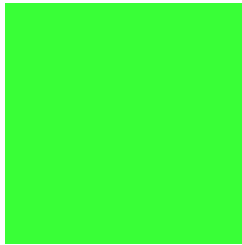
30.5039, 14.6358, 50.6518



2.9756, 1.4279, 4.9321

Previews

White Background



This preview shows how the XYZ color 38.1369, 72.6657, 15.6303 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 38.1369, 72.6657, 15.6303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

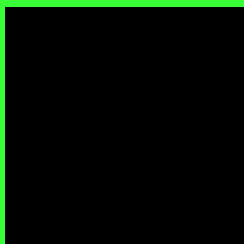
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.1369, 72.6657, 15.6303

Background



This preview shows how black text looks on a background with the XYZ color 38.1369, 72.6657, 15.6303.

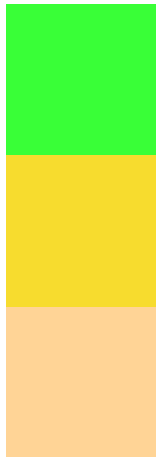


This preview shows how white text looks on a background with the XYZ color 38.1369, 72.6657,

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

38.1369, 72.6657, 15.6303

Protanopia

64.4441, 71.1578, 12.9230

Deuteranopia

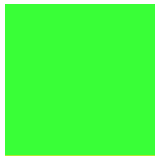
70.2885, 70.5490, 38.7669



Tritanopia

56.7916, 72.1483, 105.5405

Trichromacy



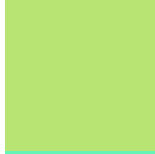
Original Color

38.1369, 72.6657, 15.6303



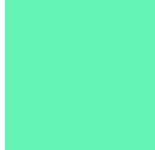
Protanomaly

48.0534, 67.9646, 13.4915



Deuteranomaly

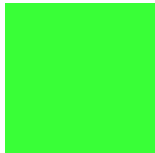
50.3664, 66.7919, 26.4572



Tritanomaly

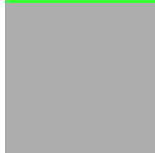
46.0497, 70.7881, 55.4924

Monochromacy



Original Color

38.1369, 72.6657, 15.6303



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

34.7453, 49.1489, 28.7745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1369, 72.6657, 15.6303 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(57, 255, 55)` looks like.

```
.text, #text, p{  
    color:rgb(57, 255, 55)  
}
```

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(57, 255, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 255, 55) }
```

Border

The CSS property to change the border of an element to XYZ 38.1369, 72.6657, 15.6303 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(57, 255, 55) }
```


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

```
.border{ border-color:rgb(57, 255, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 255, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 255, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 255, 55);  
box-shadow:4px 4px 4px 4px rgb(57, 255,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1369, 72.6657, 15.6303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 255, 55) }
```

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

```
.background{ background-color: rgb(57, 255,  
55) }
```

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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