

Converting Colors

XYZ(38.5306, 72.0653, 22.2477)

Have a look what the booklet for
XYZ(38.5306, 72.0653, 22.2477)
contains.

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Color

**XYZ(38.6365, 72.3023,
22.2753)**

Conversions

Conversions Part 1

Format	Color
Hex	30FE5D
RGB	48, 254, 93
RGB Percent	19%, 100%, 36%
CMY	0.8118, 0.0039, 0.6353
CMYK	0.81, 0.00, 0.63, 0.00
HSL	133°, 99%, 59%
HSV	133°, 81%, 100%
XYZ	38.6365, 72.3023, 22.2753
YIQ	174.0520, -71.0950, -93.7430

Conversions

Conversions Part 2

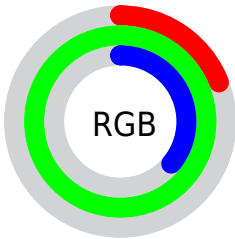
Format	Color
RYB	48, 217, 254
Decimal	3210845
CIELab	88.11, -78.38, 61.66
CIELCh	88, 99.726, 141.808
Yxy	72.3023, 0.2900, 0.5428
Android (android.graphics.Color)	4281400925 (0xFF30FE5D)
YUV	174.0520, -39.9586, -110.5476
Hunter-Lab	85.0308, -67.6965, 43.9895

Details

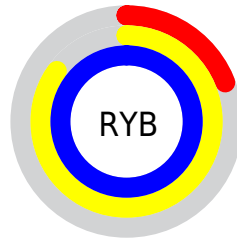
The XYZ color **38.6365, 72.3023, 22.2753** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **53.4405, 27.7892, 62.8697**, and the grayscale version is **40.4856, 42.5940, 46.3849**.

A 20% lighter version of the original color is **50.3907, 78.4358, 40.9175**, and **20.0144, 39.5897, 8.0255** is the 20% darker color. If you saturate the color by 10%, you get **36.9952, 71.5470, 18.1901**, and if you desaturate by 10%, it is **41.1940, 73.5077, 27.5977**.

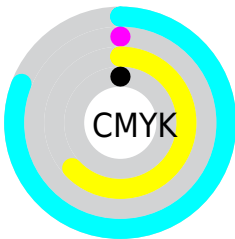
Distribution



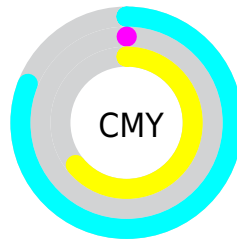
- Red (19%)
- Green (100%)
- Blue (36%)



- Red (19%)
- Yellow (85%)
- Blue (100%)



- Cyan (81%)
- Magenta (0%)
- Yellow (63%)
- Black (0%)





- Cyan (81%)
- Magenta (0%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6365, 72.3023, 22.2753 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 38.6365, 72.3023, 22.2753 by changing the saturation by 10% instead.


 38.6365, 72.3023,
22.2753


 38.6365, 72.3023,
22.2753


331.5764,
468.5931, 276.9809


 26.6565, 53.4057,
13.8591


 72.3803, 122.4862,
48.1086


 17.4507, 38.1267,
7.8851


 94.8749, 154.5423,
66.3628

 10.6536, 26.0810,
3.9348


 121.6050,
191.7536, 88.7333

 5.9000, 16.8843,
1.5896

 152.9360,
234.5046, 115.6388

 2.8244, 10.1520,
0.2834

189.2333,
283.1797, 147.4977

 1.0616, 5.4999,
0.0000

230.8622,

 0.0000, 2.5434,

338.1632, 184.7287

0.0000

278.1881,
399.8395, 227.7502

■ 0.0000, 0.8983,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.6365, 72.3023,
22.2753

■ 38.6365, 72.3023,
22.2753

■ 36.9952, 71.5470,
18.1901


■ 41.1940, 73.5077,
27.5977


■ 36.1446, 71.1670,
15.5079


■ 44.7808, 75.2134,
34.2421


■ 49.4982, 77.4721,
42.2913


■ 55.4340, 80.3273,
51.8200

 62.6668, 83.8183,
62.8974

 71.2688, 87.9808,
75.5884

 81.3067, 92.8479,
89.9542

 92.8426, 98.4505,
106.0528

 94.7332, 99.3665,
108.7944

Harmonies

Analogous

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



53.0676, 72.3023, 8.9372



38.6365, 72.3023, 22.2753



32.6175, 72.3023, 61.4705

Triad

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



38.6365, 72.3023, 22.2753



62.3979, 72.3023, 293.0973



120.6357, 72.3023, 39.3490

Complementary

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



38.6365, 72.3023, 22.2753



53.4405, 27.7892, 62.8697

Split Complementary

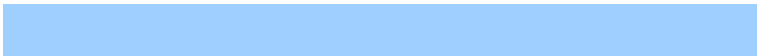
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



124.7733, 72.3023, 98.9391



38.6365, 72.3023, 22.2753



87.1850, 72.3023, 274.1785

Square

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



38.6365, 72.3023, 22.2753



44.1084, 72.3023, 233.4279



111.3835, 72.3023, 190.9069



101.1180, 72.3023, 14.0760

Rectangle

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



38.6365, 72.3023, 22.2753



32.9239, 72.3023, 108.7433



111.3835, 72.3023, 190.9069



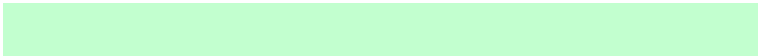
124.0275, 72.3023, 54.8116

Sweetspot

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



38.6382, 72.3053, 22.2769



69.2401, 87.4762, 72.3756



62.3762, 84.7093, 15.8594



14.1550, 18.4016, 14.5108



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.



38.6382, 72.3053, 22.2769



36.7167, 71.9137, 16.4579



46.5848, 75.4839, 64.1228



17.9340, 20.2331, 19.9553



19.0994, 37.5363, 8.4085



1.8981, 3.6702, 1.0212

Inverse Universe

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



53.4405, 27.7892, 62.8697



51.8614, 25.6414, 57.4521



44.5525, 24.2340, 16.0660



18.6128, 18.2284, 21.8440



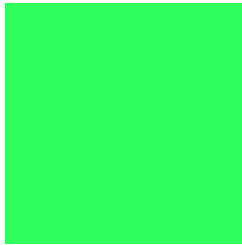
27.0112, 13.2938, 29.7731



2.6700, 1.3104, 3.1099

Previews

White Background



This preview shows how the XYZ color 38.6365, 72.3023, 22.2753 looks on a white background.

Color Contrast Check

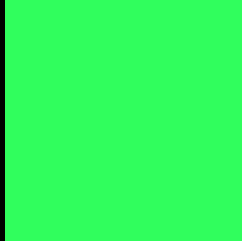
Large Text (above 18pt) WCAG AA × Fail

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 38.6365, 72.3023, 22.2753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

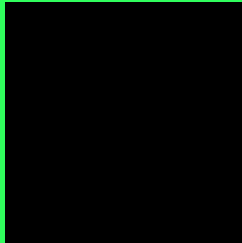
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.6365, 72.3023, 22.2753

Background



This preview shows how black text looks on a background with the XYZ color 38.6365, 72.3023, 22.2753.

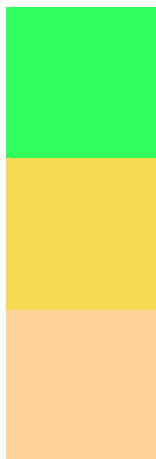


This preview shows how white text looks on a background with the XYZ color 38.6365, 72.3023, 22.2753.

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

38.6365, 72.3023, 22.2753

Protanopia

64.2011, 70.5207, 18.4117

Deuteranopia

70.5333, 70.6469, 40.0557



Tritanopia

56.0799, 71.7814, 105.5072

Trichromacy



Original Color

38.6365, 72.3023, 22.2753



Protanomaly

47.8105, 67.2856, 19.4844



Deuteranomaly

50.3882, 66.2802, 31.6103



Tritanomaly

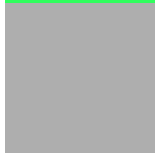
46.6305, 70.4664, 63.3682

Monochromacy



Original Color

38.6365, 72.3023, 22.2753



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

35.3689, 49.3454, 34.4485

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6365, 72.3023, 22.2753 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(48, 254, 93)` looks like.

```
.text, #text, p{  
    color:rgb(48, 254, 93)  
}
```

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(48, 254, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 254, 93) }
```

Border

The CSS property to change the border of an element to XYZ 38.6365, 72.3023, 22.2753 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(48, 254, 93) }
```


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

```
.border{ border-color:rgb(48, 254, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 254, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 254, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 254, 93);  
box-shadow:4px 4px 4px 4px rgb(48, 254,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6365, 72.3023, 22.2753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 254, 93) }
```

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

```
.background{ background-color: rgb(48, 254,  
93) }
```

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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