

Converting Colors

XYZ(38.3048, 72.5710, 23.8268)

Have a look what the booklet for
XYZ(38.3048, 72.5710, 23.8268)
contains.

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Color

**XYZ(38.3006, 72.5696,
23.7931)**

Conversions

Conversions Part 1

Format	Color
Hex	14FF63
RGB	20, 255, 99
RGB Percent	8%, 100%, 39%
CMY	0.9216, 0.0000, 0.6117
CMYK	0.92, 0.00, 0.61, 0.00
HSL	140°, 100%, 54%
HSV	140°, 92%, 100%
XYZ	38.3006, 72.5696, 23.7931
YIQ	166.9510, -89.9840, -98.3360

Conversions

Conversions Part 2

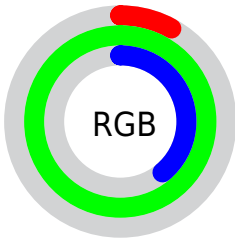
Format	Color
R_{YB}	20, 196, 255
Decimal	1376099
CIE _{Lab}	88.24, -80.01, 59.26
CIE _{LCh}	88, 99.566, 143.472
Yxy	72.5696, 0.2844, 0.5389
Android (android.graphics.Color)	4279566179 (0xFF14FF63)
YUV	166.9510, -33.4998, -128.8760
Hunter-Lab	85.1878, -68.8247, 43.0717

Details

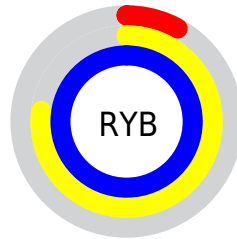
The XYZ color **38.3006, 72.5696, 23.7931** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark washed spring green. A complement of this color would be **49.3265, 24.8949, 43.2788**, and the grayscale version is **36.8966, 38.8181, 42.2729**.

A 20% lighter version of the original color is **49.3385, 77.8462, 42.9973**, and **20.1578, 39.6470, 8.7807** is the 20% darker color. If you saturate the color by 10%, you get **37.4287, 72.1875, 20.7073**, and if you desaturate by 10%, it is **40.0129, 73.3487, 28.5511**.

Distribution



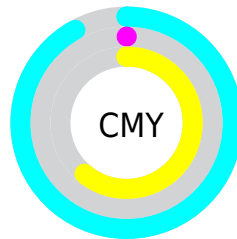
- Red (8%)
- Green (100%)
- Blue (39%)



- Red (8%)
- Yellow (77%)
- Blue (100%)



- Cyan (92%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)





- Cyan (92%)
- Magenta (0%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3006, 72.5696, 23.7931 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 38.3006, 72.5696, 23.7931 by changing the saturation by 10% instead.


 38.3006, 72.5696,
23.7931


 38.3006, 72.5696,
23.7931


330.1663,
469.5218, 285.0256

 26.3943, 53.6241,
14.9694


 71.8696, 122.8660,
50.6319


 17.2531, 38.3012,
8.6516


 94.2630, 154.9857,
69.4842


 10.5115, 26.2166,
4.4209


 120.8829,
192.2656, 92.5164

 5.8043, 16.9857,
1.8590

 152.0946,
235.0901, 120.1471

 2.7660, 10.2243,
0.4664

 188.2634,
283.8435, 152.7948

 1.0312, 5.5479,
0.0000

229.7547,

 0.0000, 2.5722,

338.9104, 190.8781

0.0000

276.9339,
400.6750, 234.8155

■ 0.0000, 0.9127,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.3006, 72.5696,
23.7931

■ 38.3006, 72.5696,
23.7931

■ 37.4287, 72.1875,
20.7073

■ 40.0129, 73.3487,
28.5511

■ 42.5827, 74.5493,
34.2846

■ 46.1249, 76.2293,
41.0470

■ 50.7351, 78.4373,
48.8868

■ 56.4972, 81.2153,
57.8491

■ 63.4862, 84.6014,
67.9765

■ 71.7706, 88.6299,
79.3092

■ 81.4137, 93.3327,
91.8855

■ 92.4745, 98.7395,
105.7419

Harmonies

Analogous

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



52.2762, 72.5696, 9.4023



38.3006, 72.5696, 23.7931



32.7127, 72.5696, 65.0074

Triad

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



38.3006, 72.5696, 23.7931



63.8926, 72.5696, 294.4679



120.1622, 72.5696, 37.4030

Complementary

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



38.3006, 72.5696, 23.7931



49.3265, 24.8949, 43.2788

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.



125.2966, 72.5696, 94.9050



38.3006, 72.5696, 23.7931



88.8982, 72.5696, 271.0449

Square

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



38.3006, 72.5696, 23.7931



45.1243, 72.5696, 238.4871



112.7719, 72.5696, 185.7855



100.0256, 72.5696, 13.4962

Rectangle

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



38.3006, 72.5696, 23.7931



33.3027, 72.5696, 113.7287



112.7719, 72.5696, 185.7855



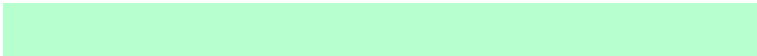
123.8662, 72.5696, 52.2004

Sweetspot

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



38.3009, 72.5697, 23.7943



66.7679, 86.1956, 72.5374



53.9422, 80.8787, 13.4301



13.5626, 18.0955, 14.5131



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.



38.3009, 72.5697, 23.7943



37.4287, 72.1875, 20.7073



48.4217, 76.6180, 77.0899



18.0235, 20.2689, 20.4266



19.6192, 37.7443, 11.1459



1.9587, 3.6944, 1.3405

Inverse Universe

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



49.3265, 24.8949, 43.2788



48.4272, 24.1349, 39.7770



42.2840, 22.0779, 6.1936



18.5179, 18.1905, 21.3442



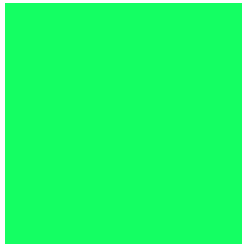
25.3766, 12.6399, 21.1656



2.5218, 1.2511, 2.3291

Previews

White Background



This preview shows how the XYZ color 38.3006, 72.5696, 23.7931 looks on a white background.

Color Contrast Check

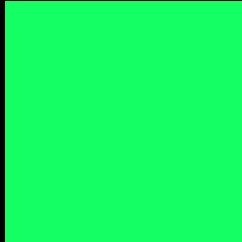
Large Text (above 18pt) WCAG AA × Fail

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 38.3006, 72.5696, 23.7931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

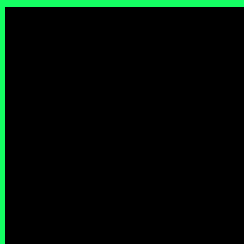
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.3006, 72.5696, 23.7931

Background



This preview shows how black text looks on a background with the XYZ color 38.3006, 72.5696, 23.7931.

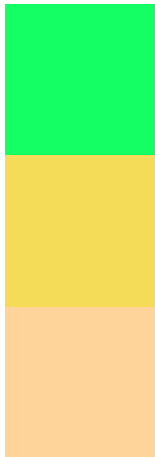


This preview shows how white text looks on a background with the XYZ color 38.3006, 72.5696,

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

38.3006, 72.5696, 23.7931

Protanopia

64.4012, 70.6007, 19.4655

Deuteranopia

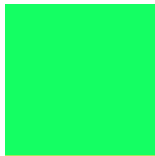
70.6999, 70.7135, 40.9331



Tritanopia

56.0799, 71.7814, 105.5072

Trichromacy



Original Color

38.3006, 72.5696, 23.7931



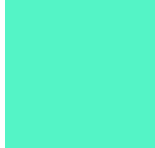
Protanomaly

45.8926, 66.2725, 20.4983



Deuteranomaly

48.6941, 65.7821, 33.0524



Tritanomaly

46.1999, 70.6634, 64.6305

Monochromacy



Original Color

38.3006, 72.5696, 23.7931



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

32.2453, 46.3772, 32.8434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3006, 72.5696, 23.7931 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(20, 255, 99)` looks like.

```
.text, #text, p{  
    color:rgb(20, 255, 99)  
}
```

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(20, 255, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 255, 99) }
```

Border

The CSS property to change the border of an element to XYZ 38.3006, 72.5696, 23.7931 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(20, 255, 99) }
```


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

```
.border{ border-color:rgb(20, 255, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 255, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 255, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 255, 99);  
box-shadow:4px 4px 4px 4px rgb(20, 255,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3006, 72.5696, 23.7931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 255, 99) }
```

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

```
.background{ background-color: rgb(20, 255,  
99) }
```

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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