

Converting Colors

XYZ(39.1560, 72.9692, 25.7001)

Have a look what the booklet for
XYZ(39.1560, 72.9692, 25.7001)
contains.

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Color

**XYZ(39.1608, 72.9727,
25.6568)**

Conversions

Conversions Part 1

Format	Color
Hex	26FF6A
RGB	38, 255, 106
RGB Percent	15%, 100%, 42%
CMY	0.8510, 0.0000, 0.5843
CMYK	0.85, 0.00, 0.58, 0.00
HSL	139°, 100%, 57%
HSV	139°, 85%, 100%
XYZ	39.1608, 72.9727, 25.6568
YIQ	173.1310, -81.5030, -92.3430

Conversions

Conversions Part 2

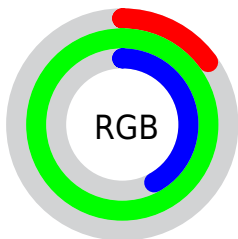
Format	Color
R_{YB}	38, 203, 255
Decimal	2555754
CIE _{Lab}	88.43, -78.09, 56.53
CIE _{LCh}	88, 96.406, 144.101
Yxy	72.9727, 0.2842, 0.5296
Android (android.graphics.Color)	4280745834 (0xFF26FF6A)
YUV	173.1310, -33.0956, -118.5099
Hunter-Lab	85.4241, -67.6627, 41.9893

Details

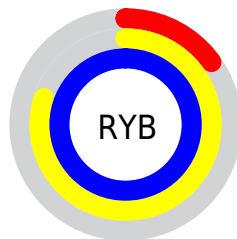
The XYZ color **39.1608, 72.9727, 25.6568** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed spring green. A complement of this color would be **50.9025, 26.2341, 49.3930**, and the grayscale version is **39.9809, 42.0630, 45.8066**.

A 20% lighter version of the original color is **50.6505, 78.4532, 46.1916**, and **20.5638, 40.1715, 9.8020** is the 20% darker color. If you saturate the color by 10%, you get **37.7008, 72.3146, 21.3116**, and if you desaturate by 10%, it is **41.4494, 74.0363, 31.0136**.

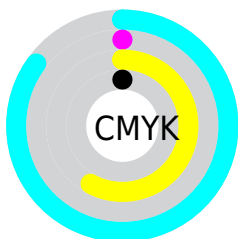
Distribution



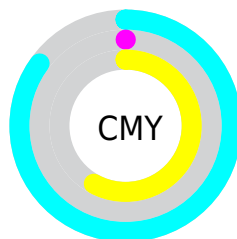
- Red (15%)
- Green (100%)
- Blue (42%)



- Red (15%)
- Yellow (80%)
- Blue (100%)



- Cyan (85%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)



- Cyan (85%)
- Magenta (0%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.1608, 72.9727, 25.6568 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 39.1608, 72.9727, 25.6568 by changing the saturation by 10% instead.


 39.1608, 72.9727,
25.6568


 39.1608, 72.9727,
25.6568


333.7691,
470.9202, 294.6449


 27.0661, 53.9536,
16.3436


 73.1764, 123.4385,
53.6980


 17.7597, 38.5646,
9.6106


 95.8280, 155.6539,
73.2631

 10.8763, 26.4212,
5.0394


 122.7294,
193.0370, 97.0827

 6.0504, 17.1390,
2.2112

 154.2458,
235.9721, 125.5751

 2.9167, 10.3336,
0.6808

190.7426,
284.8435, 159.1590

 1.1099, 5.6207,
0.0000

232.5852,

 0.0333, 2.6159,

340.0358, 198.2529

0.0000

280.1389,
401.9332, 243.2754

■ 0.0000, 0.9346,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.1608, 72.9727,
25.6568

■ 39.1608, 72.9727,
25.6568

■ 37.7008, 72.3146,
21.3116


■ 41.4494, 74.0363,
31.0136


■ 37.2047, 72.0979,
19.5277


■ 44.6893, 75.5677,
37.4385


■ 48.9822, 77.6181,
44.9880

■ 54.4159, 80.2317,
53.7131

 61.0685, 83.4480,
63.6619

 69.0113, 87.3026,
74.8795

 78.3097, 91.8284,
87.4088

 89.0245, 97.0559,
101.2907

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.



52.7064, 72.9727, 10.6182



39.1608, 72.9727, 25.6568



33.8043, 72.9727, 67.0471

Triad

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



39.1608, 72.9727, 25.6568



64.8786, 72.9727, 286.0138



118.5065, 72.9727, 37.9039

Complementary

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



39.1608, 72.9727, 25.6568



50.9025, 26.2341, 49.3930

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.



123.7981, 72.9727, 93.3061



39.1608, 72.9727, 25.6568



89.1931, 72.9727, 262.1653

Square

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



39.1608, 72.9727, 25.6568



46.3728, 72.9727, 234.1564



112.0808, 72.9727, 180.2392



98.9064, 72.9727, 14.4289

Rectangle

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



39.1608, 72.9727, 25.6568



34.4945, 72.9727, 114.7805



112.0808, 72.9727, 180.2392



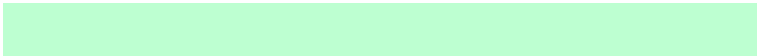
122.1766, 72.9727, 52.2412

Sweetspot

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



39.1611, 72.9728, 25.6580



68.2397, 86.9276, 73.8138



57.3202, 82.5943, 14.7551



13.9940, 18.3088, 14.9449



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.



39.1611, 72.9728, 25.6580



37.2047, 72.0979, 19.5277



48.3927, 76.6654, 74.2707



18.0060, 20.2619, 20.3347



19.4992, 37.6963, 10.5142



1.9454, 3.6891, 1.2703

Inverse Universe

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



50.9025, 26.2341, 49.3930



48.9866, 24.3586, 42.7228



43.4335, 23.2464, 10.0615



18.5361, 18.1978, 21.4404



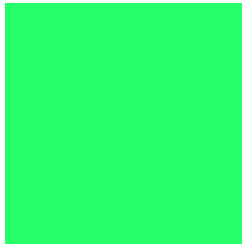
25.6670, 12.7561, 22.6947



2.5485, 1.2618, 2.4697

Previews

White Background



This preview shows how the XYZ color 39.1608, 72.9727, 25.6568 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 39.1608, 72.9727, 25.6568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

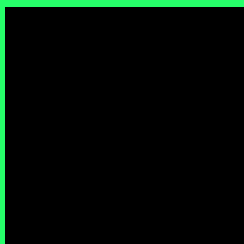
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.1608, 72.9727, 25.6568

Background



This preview shows how black text looks on a background with the XYZ color 39.1608, 72.9727, 25.6568.

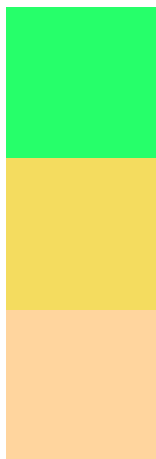


This preview shows how white text looks on a background with the XYZ color 39.1608, 72.9727,

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

39.1608, 72.9727, 25.6568

Protanopia

64.9670, 71.2457, 21.1541

Deuteranopia

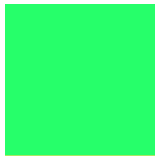
71.2058, 71.3171, 42.3604



Tritanopia

56.6464, 72.0735, 105.5337

Trichromacy



Original Color

39.1608, 72.9727, 25.6568



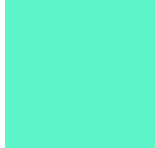
Protanomaly

47.7532, 67.6137, 22.3383



Deuteranomaly

50.3081, 66.5810, 34.6260



Tritanomaly

47.4075, 71.2456, 66.5115

Monochromacy



Original Color

39.1608, 72.9727, 25.6568



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

35.0929, 49.1669, 36.0743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.1608, 72.9727, 25.6568 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(38, 255, 106)` looks like.

```
.text, #text, p{  
    color:rgb(38, 255, 106)  
}
```

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(38, 255, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 255, 106) }
```

Border

The CSS property to change the border of an element to XYZ 39.1608, 72.9727, 25.6568 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(38, 255, 106) }
```


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

```
.border{ border-color:rgb(38, 255, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 255, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 255, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 255, 106);  
box-shadow:4px 4px 4px 4px rgb(38, 255,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 39.1608, 72.9727, 25.6568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 255, 106) }
```

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

```
.background{ background-color: rgb(38, 255,  
106) }
```

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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