

Converting Colors

XYZ(49.3041, 100.0000,
36.6766)

Have a look what the booklet for
XYZ(49.3041, 100.0000, 36.6766)
contains.

XYZ(39.5908, 73.0523, 32.0925)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.5908, 73.0523,
32.0925)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF7F
RGB	0, 255, 127
RGB Percent	0%, 100%, 50%
CMY	0.9999, 0.0000, 0.5019
CMYK	1.00, 0.00, 0.50, 0.00
HSL	150°, 100%, 50%
HSV	150°, 100%, 100%
XYZ	39.5908, 73.0523, 32.0925
YIQ	164.1630, -110.8920, -93.8680

Conversions

Conversions Part 2

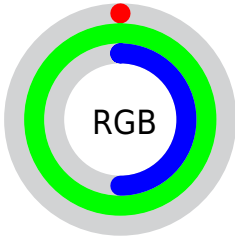
Format	Color
RYB	0, 170, 255
Decimal	65407
CIELab	88.47, -76.90, 47.03
CIELCh	88, 90.139, 148.554
Yxy	73.0523, 0.2735, 0.5047
Android (android.graphics.Color)	4278255487 (0xFF00FF7F)
YUV	164.1630, -18.3214, -143.9710
Hunter-Lab	85.4706, -66.8907, 37.5672

Details

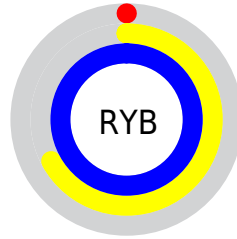
The XYZ color **39.5908, 73.0523, 32.0925** is a dark color, and the websafe version is hex **33FF66**, and the color name is **springgreen**. The color can be described as dark saturated spring green. A complement of this color would be **45.1376, 22.8194, 22.4536**, and the grayscale version is **35.4894, 37.3376, 40.6607**.

A 20% lighter version of the original color is **51.4060, 78.6104, 56.7199**, and **21.2023, 40.4269, 13.1643** is the 20% darker color. If you saturate the color by 10%, you get **39.5903, 73.0521, 32.0901**, and if you desaturate by 10%, it is **40.8931, 73.6210, 36.7903**.

Distribution



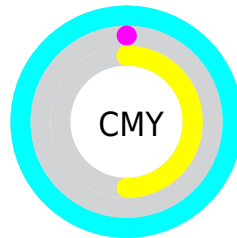
- Red (0%)
- Green (100%)
- Blue (50%)



- Red (0%)
- Yellow (67%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.5908, 73.0523, 32.0925 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 39.5908, 73.0523, 32.0925 by changing the saturation by 10% instead.


 39.5908, 73.0523,
32.0925


 39.5908, 73.0523,
32.0925


335.5599,
471.1961, 326.0461

 27.4024, 54.0187,
21.1668


 73.8283, 123.5515,
64.0557


 18.0138, 38.6166,
13.0535


 96.6081, 155.7858,
85.9302


 11.0597, 26.4616,
7.3343


 123.6492,
193.1893, 112.2913

 6.1746, 17.1693,
3.5904

 155.3168,
236.1461, 143.5577

 2.9932, 10.3553,
1.4034

 191.9763,
285.0409, 180.1478

 1.1502, 5.6351,
0.1444


233.9931,


 0.0665, 2.6245,


340.2578, 222.4803


0.0000


281.7325,
402.1814, 270.9735


 0.0000, 0.9390,
0.0000

 0.0000, 0.0000,
0.0000


 39.5908, 73.0523,
32.0925


 39.5908, 73.0523,
32.0925


 39.5903, 73.0521,
32.0901


 40.8931, 73.6210,
36.7903


 42.8435, 74.5112,
42.0902


 45.6105, 75.8093,
48.0199


 49.2985, 77.5686,
54.6021

 53.9949, 79.8340,
61.8579

 59.7768, 82.6447,
69.8073

 66.7133, 86.0361,
78.4693

 74.8676, 90.0403,
87.8621

 84.2981, 94.6872,
98.0031

Harmonies

Analogous

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



51.3500, 73.0523, 14.0018



39.5908, 73.0523, 32.0925



35.5360, 73.0523, 76.5660

Triad

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



39.5908, 73.0523, 32.0925



68.3871, 73.0523, 268.5962



112.8752, 73.0523, 35.0276

Complementary

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



39.5908, 73.0523, 32.0925



45.1376, 22.8194, 22.4536

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.



120.0140, 73.0523, 82.5932



39.5908, 73.0523, 32.0925



91.3318, 73.0523, 237.2913

Square

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



39.5908, 73.0523, 32.0925



49.8739, 73.0523, 231.1010



111.4267, 73.0523, 159.5188



93.5373, 73.0523, 14.9698

Rectangle

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



39.5908, 73.0523, 32.0925



36.9320, 73.0523, 123.9104



111.4267, 73.0523, 159.5188



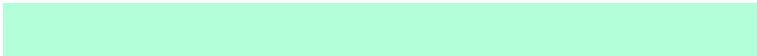
116.9385, 73.0523, 47.2736

Sweetspot

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



39.5912, 73.0525, 32.0937



66.7072, 86.0331, 78.4620



45.2383, 76.4063, 12.3642



13.6212, 18.0930, 15.9936



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.



39.5912, 73.0525, 32.0937



39.5903, 73.0521, 32.0901



53.1335, 78.4694, 103.4063



18.1488, 20.3191, 21.0866



20.7621, 38.2014, 17.1642



2.0766, 3.7416, 1.9614

Inverse Universe

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



45.1376, 22.8194, 22.4536



45.1367, 22.8187, 22.4500



41.2636, 21.2698, 2.0533



18.3897, 18.1392, 20.6695



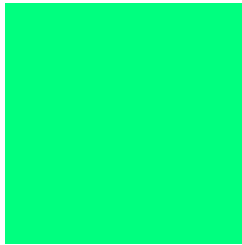
23.6604, 11.9534, 12.1278



2.3589, 1.1859, 1.4712

Previews

White Background



This preview shows how the XYZ color 39.5908, 73.0523, 32.0925 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 39.5908, 73.0523, 32.0925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

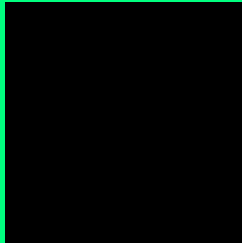
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.5908, 73.0523, 32.0925

Background



This preview shows how black text looks on a background with the XYZ color 39.5908, 73.0523, 32.0925.

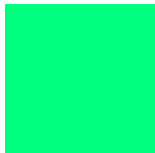


This preview shows how white text looks on a background with the XYZ color 39.5908, 73.0523,

Color Blindness Simulation

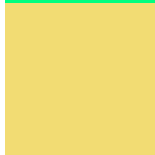
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

39.5908, 73.0523, 32.0925



Protanopia

65.3057, 71.3014, 26.5402



Deuteranopia

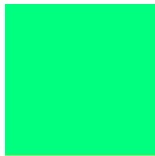
71.6451, 71.4928, 44.6737



Tritanopia

56.7929, 72.5800, 105.6238

Trichromacy



Original Color

39.5908, 73.0523, 32.0925



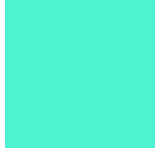
Protanomaly

45.7951, 66.4798, 27.8710



Deuteranomaly

48.1487, 65.3702, 38.9342



Tritanomaly

46.8777, 70.8751, 70.8841

Monochromacy



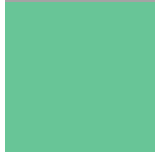
Original Color

39.5908, 73.0523, 32.0925



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

31.2611, 45.1099, 36.3376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5908, 73.0523, 32.0925 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(0, 255, 127)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 127)  
}
```

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(0, 255, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 127) }
```

Border

The CSS property to change the border of an element to XYZ 39.5908, 73.0523, 32.0925 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(0, 255, 127) }
```


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

```
.border{ border-color:rgb(0, 255, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 127);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5908, 73.0523, 32.0925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 127) }
```

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

```
.background{ background-color: rgb(0, 255,  
127) }
```

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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