

Converting Colors

XYZ(39.4084, 73.2212, 20.2029)

Have a look what the booklet for
XYZ(39.4084, 73.2212, 20.2029)
contains.

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Color

**XYZ(39.4357, 73.2345,
20.2408)**

Conversions

Conversions Part 1

Format	Color
Hex	40FF53
RGB	64, 255, 83
RGB Percent	25%, 100%, 33%
CMY	0.7490, 0.0000, 0.6745
CMYK	0.75, 0.00, 0.67, 0.00
HSL	126°, 100%, 63%
HSV	126°, 75%, 100%
XYZ	39.4357, 73.2345, 20.2408
YIQ	178.2830, -58.6240, -93.9840

Conversions

Conversions Part 2

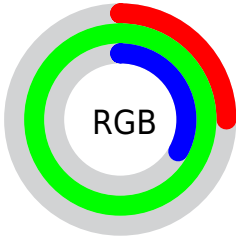
Format	Color
RYB	64, 238, 255
Decimal	4259667
CIELab	88.56, -77.76, 66.13
CIELCh	89, 102.080, 139.622
Yxy	73.2345, 0.2967, 0.5510
Android (android.graphics.Color)	4282449747 (0xFF40FF53)
YUV	178.2830, -46.9745, -100.2262
Hunter-Lab	85.5772, -67.5036, 45.8807

Details

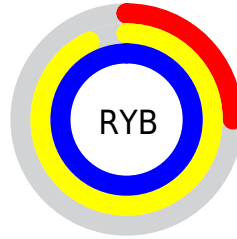
The XYZ color **39.4357, 73.2345, 20.2408** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed green. A complement of this color would be **58.2132, 30.9829, 82.2659**, and the grayscale version is **42.7307, 44.9560, 48.9571**.

A 20% lighter version of the original color is **51.1411, 78.9024, 37.3452**, and **20.0326, 39.9590, 7.0049** is the 20% darker color. If you saturate the color by 10%, you get **37.3947, 72.2684, 16.2592**, and if you desaturate by 10%, it is **42.5280, 74.7087, 25.8058**.

Distribution



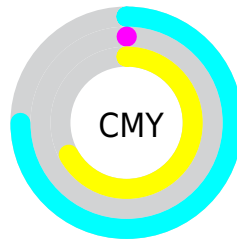
- Red (25%)
- Green (100%)
- Blue (33%)



- Red (25%)
- Yellow (93%)
- Blue (100%)



- Cyan (75%)
- Magenta (0%)
- Yellow (67%)
- Black (0%)




- Cyan (75%)
- Magenta (0%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.4357, 73.2345, 20.2408 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 39.4357, 73.2345, 20.2408 by changing the saturation by 10% instead.


 39.4357, 73.2345,
20.2408


 39.4357, 73.2345,
20.2408


334.9147,
471.8271, 265.8630


 27.2811, 54.1677,
12.3844


 73.5933, 123.8101,
44.6848

 17.9221, 38.7358,
6.8803


 96.3269, 156.0876,
62.1095

 10.9934, 26.5542,
3.3101


 123.3177,
193.5376, 83.5606

 6.1297, 17.2387,
1.2550

 154.9308,
236.5444, 109.4569

 2.9655, 10.4048,
0.0245

191.5317,
285.4923, 140.2167

 1.1355, 5.6682,
0.0000

233.4858,

 0.0545, 2.6444,

340.7658, 176.2586

0.0000

281.1583,
402.7493, 218.0012

0.0000, 0.9490,
0.0000

0.0000, 0.0000,
0.0000

39.4357, 73.2345,
20.2408

39.4357, 73.2345,
20.2408

37.3947, 72.2684,
16.2592

42.5280, 74.7087,
25.8058

36.2612, 71.7397,
13.6928

46.7883, 76.7481,
33.0928

35.9395, 71.5918,
12.8653

52.3188, 79.4026,
42.2290

59.2100, 82.7167,
53.3290

67.5445, 86.7304,
66.4977

77.3979, 91.4808,
81.8329

88.8408, 97.0023,
99.4261

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.



54.9016, 73.2345, 8.1022



39.4357, 73.2345, 20.2408



32.6785, 73.2345, 57.7421

Triad

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



39.4357, 73.2345, 20.2408



61.4295, 73.2345, 300.9741



124.3395, 73.2345, 42.3534

Complementary

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



39.4357, 73.2345, 20.2408



58.2132, 30.9829, 82.2659

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.



127.2665, 73.2345, 106.7163



39.4357, 73.2345, 20.2408



86.7289, 73.2345, 287.4845

Square

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



39.4357, 73.2345, 20.2408



43.2422, 73.2345, 233.8414



112.2125, 73.2345, 203.6215



104.9644, 73.2345, 14.6619

Rectangle

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



39.4357, 73.2345, 20.2408



32.6131, 73.2345, 104.5909



112.2125, 73.2345, 203.6215



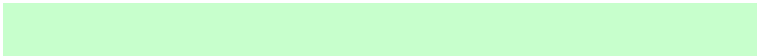
127.4287, 73.2345, 59.1745

Sweetspot

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



39.4360, 73.2347, 20.2420



70.2436, 88.0312, 70.7197



72.3102, 90.2554, 18.4606



14.4942, 18.5817, 14.2911



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.



39.4360, 73.2347, 20.2420



36.7138, 71.9493, 14.7853



45.6534, 75.7216, 52.9822



17.8450, 20.1975, 19.4867



18.8032, 37.4179, 6.8487



1.8541, 3.6526, 0.7894

Inverse Universe

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



58.2132, 30.9829, 82.2659



56.1874, 27.8124, 78.8738



48.0758, 26.9279, 28.8830



18.7102, 18.2674, 22.3569



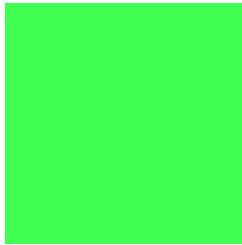
29.0164, 14.0959, 40.3325



2.8468, 1.3811, 4.0409

Previews

White Background



This preview shows how the XYZ color 39.4357, 73.2345, 20.2408 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 39.4357, 73.2345, 20.2408 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 39.4357, 73.2345, 20.2408

Background



This preview shows how black text looks on a background with the XYZ color 39.4357, 73.2345, 20.2408.

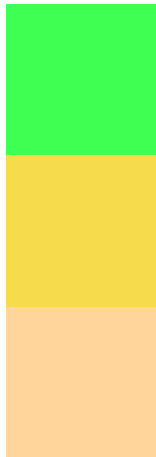


This preview shows how white text looks on a background with the XYZ color 39.4357, 73.2345,

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

39.4357, 73.2345, 20.2408

Protanopia

64.8353, 71.2736, 16.8186

Deuteranopia

71.0350, 71.2488, 41.4609



Tritanopia

57.5401, 72.5342, 105.5756

Trichromacy



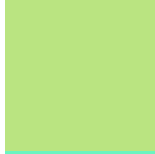
Original Color

39.4357, 73.2345, 20.2408



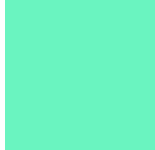
Protanomaly

49.3009, 68.5169, 17.6478



Deuteranomaly

51.9556, 67.5109, 31.0614



Tritanomaly

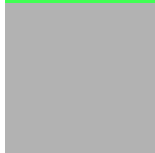
47.8090, 71.5713, 61.1640

Monochromacy



Original Color

39.4357, 73.2345, 20.2408



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

37.3458, 51.4441, 33.9480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4357, 73.2345, 20.2408 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(64, 255, 83)` looks like.

```
.text, #text, p{  
    color:rgb(64, 255, 83)  
}
```

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(64, 255, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 255, 83) }
```

Border

The CSS property to change the border of an element to XYZ 39.4357, 73.2345, 20.2408 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(64, 255, 83) }
```


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

```
.border{ border-color:rgb(64, 255, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 255, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 255, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 255, 83);  
box-shadow:4px 4px 4px 4px rgb(64, 255,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4357, 73.2345, 20.2408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 255, 83) }
```

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

```
.background{ background-color: rgb(64, 255,  
83) }
```

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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