

Converting Colors

XYZ(39.9234, 73.4730, 20.8471)

Have a look what the booklet for
XYZ(39.9234, 73.4730, 20.8471)
contains.

XYZ(39.9655, 73.4940, 20.8835)	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(39.9655, 73.4940,
20.8835)**

Conversions

Conversions Part 1

Format	Color
Hex	46FF56
RGB	70, 255, 86
RGB Percent	27%, 100%, 34%
CMY	0.7255, 0.0000, 0.6627
CMYK	0.73, 0.00, 0.66, 0.00
HSL	125°, 100%, 64%
HSV	125°, 73%, 100%
XYZ	39.9655, 73.4940, 20.8835
YIQ	180.4190, -56.0110, -91.7790

Conversions

Conversions Part 2

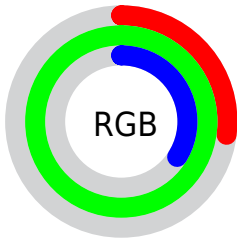
Format	Color
RYB	70, 240, 255
Decimal	4652886
CIELab	88.68, -76.63, 65.15
CIElCh	89, 100.582, 139.631
Yxy	73.4940, 0.2975, 0.5471
Android (android.graphics.Color)	4282842966 (0xFF46FF56)
YUV	180.4190, -46.5486, -96.8375
Hunter-Lab	85.7286, -66.8109, 45.5670

Details

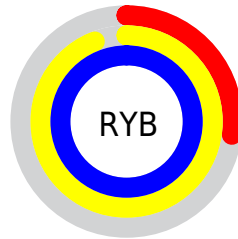
The XYZ color **39.9655, 73.4940, 20.8835** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed green. A complement of this color would be **59.0094, 31.8721, 84.6992**, and the grayscale version is **43.8722, 46.1570, 50.2650**.

A 20% lighter version of the original color is **51.9702, 79.3126, 38.1609**, and **20.0925, 39.9830, 7.3203** is the 20% darker color. If you saturate the color by 10%, you get **37.7095, 72.4223, 16.6519**, and if you desaturate by 10%, it is **43.3080, 75.0904, 26.7640**.

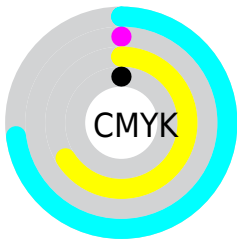
Distribution



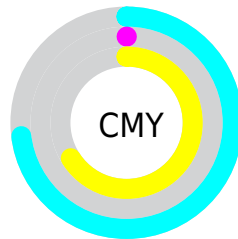
- Red (27%)
- Green (100%)
- Blue (34%)



- Red (27%)
- Yellow (94%)
- Blue (100%)



- Cyan (73%)
- Magenta (0%)
- Yellow (66%)
- Black (0%)



- Cyan (73%)
- Magenta (0%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.9655, 73.4940, 20.8835 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 39.9655, 73.4940, 20.8835 by changing the saturation by 10% instead.


 39.9655, 73.4940,
20.8835


 39.9655, 73.4940,
20.8835


337.1151,
472.7252, 269.4194

 27.6957, 54.3800,
12.8485


 74.3956, 124.1783,
45.7718


 18.2357, 38.9055,
7.1948


 97.2867, 156.5173,
63.4622

 11.2201, 26.6863,
3.5039


 124.4490,
194.0335, 85.2081

 6.2834, 17.3377,
1.3573

 156.2478,
237.1112, 111.4281

 3.0605, 10.4756,
0.1081

193.0484,
286.1348, 142.5406

 1.1858, 5.7154,
0.0000

235.2163,

 0.0951, 2.6728,

341.4887, 178.9644

0.0000

283.1167,
403.5574, 221.1178

■ 0.0000, 0.9634,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.9655, 73.4940,
20.8835

■ 39.9655, 73.4940,
20.8835

■ 37.7095, 72.4223,
16.6519

■ 43.3080, 75.0904,
26.7640


■ 36.4017, 71.8077,
13.8977


■ 47.8508, 77.2672,
34.4354


■ 35.9054, 71.5782,
12.6857


■ 53.6945, 80.0735,
44.0282

■ 60.9284, 83.5527,
55.6600

 69.6343, 87.7448,
69.4388

 79.8874, 92.6864,
85.4652

 91.7578, 98.4116,
103.8331

 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.



55.3059, 73.4940, 8.5821



39.9655, 73.4940, 20.8835



33.2422, 73.4940, 58.2771

Triad

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



39.9655, 73.4940, 20.8835



61.7786, 73.4940, 296.9449



123.7368, 73.4940, 42.9661

Complementary

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



39.9655, 73.4940, 20.8835



59.0094, 31.8721, 84.6992

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.



126.6170, 73.4940, 106.5986



39.9655, 73.4940, 20.8835



86.7524, 73.4940, 283.7445

Square

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



39.9655, 73.4940, 20.8835



43.7551, 73.4940, 231.3539



111.8312, 73.4940, 201.7180



104.6897, 73.4940, 15.2460

Rectangle

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



39.9655, 73.4940, 20.8835



33.1785, 73.4940, 104.5561



111.8312, 73.4940, 201.7180



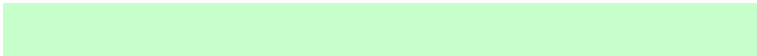
126.7724, 73.4940, 59.6623

Sweetspot

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



39.9658, 73.4941, 20.8847



70.1562, 87.9962, 70.2592



72.6594, 90.4146, 19.4167



14.4740, 18.5736, 14.1848



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.



39.9658, 73.4941, 20.8847



37.0196, 72.0969, 15.2544



46.3134, 76.0331, 54.3107



17.8354, 20.1937, 19.4360



18.7830, 37.4098, 6.7427



1.8495, 3.6507, 0.7656

Inverse Universe

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



59.0094, 31.8721, 84.6992



56.9003, 28.4010, 81.6928



48.7032, 27.7496, 30.4275



18.7209, 18.2717, 22.4133



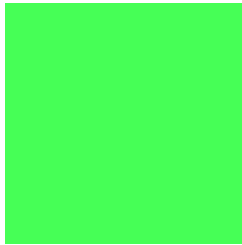
29.2576, 14.1923, 41.6026



2.8678, 1.3895, 4.1514

Previews

White Background



This preview shows how the XYZ color 39.9655, 73.4940, 20.8835 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 39.9655, 73.4940, 20.8835 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 39.9655, 73.4940, 20.8835

Background



This preview shows how black text looks on a background with the XYZ color 39.9655, 73.4940, 20.8835.

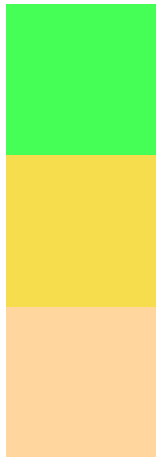


This preview shows how white text looks on a background with the XYZ color 39.9655, 73.4940,

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

39.9655, 73.4940, 20.8835

Protanopia

65.2020, 71.8416, 17.4515

Deuteranopia

71.4581, 71.8218, 42.4445



Tritanopia

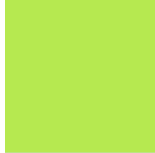
58.0071, 72.7749, 105.5974

Trichromacy



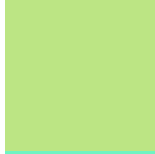
Original Color

39.9655, 73.4940, 20.8835



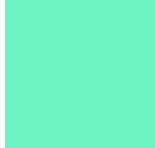
Protanomaly

49.8783, 68.8021, 18.2407



Deuteranomaly

52.9232, 68.3959, 32.2422



Tritanomaly

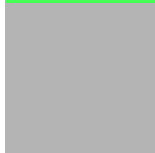
48.5187, 71.9114, 62.3620

Monochromacy



Original Color

39.9655, 73.4940, 20.8835



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

38.3163, 52.2764, 35.2650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9655, 73.4940, 20.8835 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(70, 255, 86)` looks like.

```
.text, #text, p{  
    color:rgb(70, 255, 86)  
}
```

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(70, 255, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 255, 86) }
```

Border

The CSS property to change the border of an element to XYZ 39.9655, 73.4940, 20.8835 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(70, 255, 86) }
```


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

```
.border{ border-color:rgb(70, 255, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 255, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 255, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 255, 86);  
box-shadow:4px 4px 4px 4px rgb(70, 255,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9655, 73.4940, 20.8835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 255, 86) }
```

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

```
.background{ background-color: rgb(70, 255,  
86) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor