

Converting Colors

XYZ(39.4794, 69.4534, 20.5325)

Have a look what the booklet for
XYZ(39.4794, 69.4534, 20.5325)
contains.

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Color

**XYZ(39.5364, 69.5533,
20.5739)**

Conversions

Conversions Part 1

Format	Color
Hex	5DF758
RGB	93, 247, 88
RGB Percent	36%, 97%, 35%
CMY	0.6353, 0.0314, 0.6549
CMYK	0.62, 0.00, 0.64, 0.03
HSL	118°, 91%, 66%
HSV	118°, 64%, 97%
XYZ	39.5364, 69.5533, 20.5739
YIQ	182.8280, -40.7450, -82.0970

Conversions

Conversions Part 2

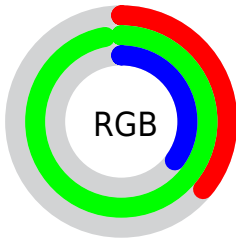
Format	Color
RYB	88, 247, 242
Decimal	6158168
CIELab	86.78, -69.76, 62.44
CIELCh	87, 93.623, 138.173
Yxy	69.5533, 0.3049, 0.5364
Android (android.graphics.Color)	4284348248 (0xFF5DF758)
YUV	182.8280, -46.7502, -78.7792
Hunter-Lab	83.3986, -61.3269, 43.7526

Details

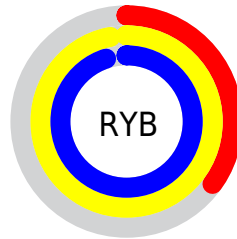
The XYZ color **39.5364, 69.5533, 20.5739** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted green. A complement of this color would be **56.9007, 32.5750, 91.2881**, and the grayscale version is **45.1811, 47.5341, 51.7646**.

A 20% lighter version of the original color is **54.8946, 80.8027, 39.0888**, and **18.3840, 36.4698, 7.0477** is the 20% darker color. If you saturate the color by 10%, you get **36.6275, 68.1547, 15.9721**, and if you desaturate by 10%, it is **43.5523, 71.4867, 27.0389**.

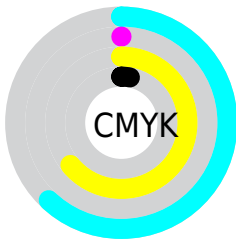
Distribution



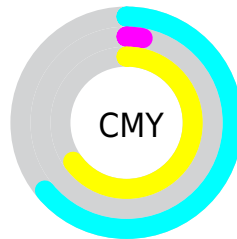
- Red (36%)
- Green (97%)
- Blue (35%)



- Red (35%)
- Yellow (97%)
- Blue (95%)



- Cyan (62%)
- Magenta (0%)
- Yellow (64%)
- Black (3%)





- Cyan (64%)
- Magenta (3%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.5364, 69.5533, 20.5739 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 39.5364, 69.5533, 20.5739 by changing the saturation by 10% instead.


 39.5364, 69.5533,
20.5739


 39.5364, 69.5533,
20.5739


335.3337,
458.9800, 267.7115

 27.3599, 51.1624,
12.6247

 73.7459, 118.5715,
45.2488


 17.9817, 36.3379,
7.0429


 96.5095, 149.9677,
62.8117

 11.0364, 24.6953,
3.4101


 123.5329,
186.4677, 84.4161

 6.1588, 15.8502,
1.3077

 155.1815,
228.4560, 110.4807

 2.9835, 9.4182,
0.0681

191.8204,
276.3170, 141.4240

 1.1450, 5.0149,
0.0000

233.8152,

 0.0623, 2.2560,

330.4351, 177.6646

0.0000

281.5312,
391.1946, 219.6209

■ 0.0000, 0.7503,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.5364, 69.5533,
20.5739

■ 39.5364, 69.5533,
20.5739

■ 36.6275, 68.1547,
15.9721

■ 43.5523, 71.4867,
27.0389

■ 34.7107, 67.2296,
13.0324


■ 48.7656, 73.9917,
35.5315


■ 33.6549, 66.7177,
11.5161


■ 55.2632, 77.1119,
46.2035

■ 33.3593, 66.5745,
11.0919

■ 63.1226, 80.8842,
59.1908

 72.4150, 85.3428,
74.6182

 83.2068, 90.5193,
92.6019

 92.5522, 95.0044,
108.0674

Harmonies

Analogous

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



53.8788, 69.5533, 9.3541



39.5364, 69.5533, 20.5739



32.9855, 69.5533, 53.6974

Triad

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



39.5364, 69.5533, 20.5739



57.8847, 69.5533, 264.4487



114.4622, 69.5533, 44.1241

Complementary

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



39.5364, 69.5533, 20.5739



56.9007, 32.5750, 91.2881

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.



116.2026, 69.5533, 103.0942



39.5364, 69.5533, 20.5739



80.0611, 69.5533, 256.6112

Square

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



39.5364, 69.5533, 20.5739



41.9114, 69.5533, 205.0148



102.5171, 69.5533, 187.2995



98.1840, 69.5533, 16.8788

Rectangle

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



39.5364, 69.5533, 20.5739



32.6944, 69.5533, 94.1104



102.5171, 69.5533, 187.2995



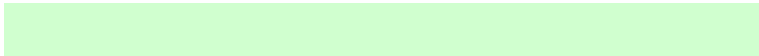
116.8798, 69.5533, 59.9166

Sweetspot

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



39.5381, 69.5562, 20.5755



73.0002, 89.4234, 72.1564



71.7854, 83.8083, 21.6268



15.0231, 18.8514, 14.4455



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.



39.5381, 69.5562, 20.5755



38.7083, 72.9498, 16.1308



43.8270, 71.2153, 45.7140



16.3303, 18.4968, 17.5071



17.6637, 35.2188, 5.8669



1.5691, 3.1040, 0.5164

Inverse Universe

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



56.9007, 32.5750, 91.2881



58.6030, 30.4209, 97.3908



49.3735, 29.7649, 42.5792



17.1591, 16.7402, 20.8694



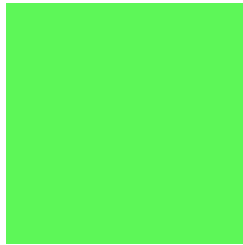
27.7717, 13.2912, 47.6397



2.4568, 1.1764, 4.1878

Previews

White Background



This preview shows how the XYZ color 39.5364, 69.5533, 20.5739 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 39.5364, 69.5533, 20.5739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

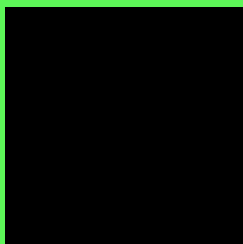
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.5364, 69.5533, 20.5739

Background



This preview shows how black text looks on a background with the XYZ color 39.5364, 69.5533, 20.5739.

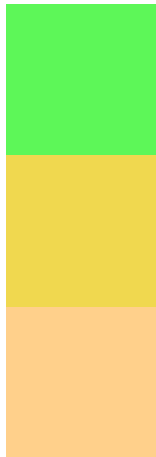


This preview shows how white text looks on a background with the XYZ color 39.5364, 69.5533,

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

39.5364, 69.5533, 20.5739

Protanopia

61.9023, 68.2015, 17.2987

Deuteranopia

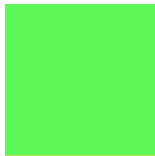
68.4561, 68.2358, 33.9889



Tritanopia

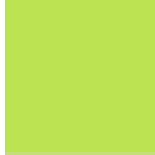
55.3470, 68.9595, 100.8359

Trichromacy



Original Color

39.5364, 69.5533, 20.5739



Protanomaly

49.4856, 66.1122, 18.1354



Deuteranomaly

52.2764, 65.3344, 27.6248



Tritanomaly

47.1594, 68.1815, 59.9650

Monochromacy



Original Color

39.5364, 69.5533, 20.5739



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

39.9943, 52.7648, 36.0937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5364, 69.5533, 20.5739 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(93, 247, 88)` looks like.

```
.text, #text, p{  
    color:rgb(93, 247, 88)  
}
```

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(93, 247, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 247, 88) }
```

Border

The CSS property to change the border of an element to XYZ 39.5364, 69.5533, 20.5739 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(93, 247, 88) }
```


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

```
.border{ border-color:rgb(93, 247, 88) }
```

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

Here you see how a box with a 4 pixel rgb(93, 247, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 247, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 247, 88);  
box-shadow:4px 4px 4px 4px rgb(93, 247,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5364, 69.5533, 20.5739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 247, 88) }
```

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

```
.background{ background-color: rgb(93, 247,  
88) }
```

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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