

Converting Colors

XYZ(53.9901, 87.6016, 41.1894)

Have a look what the booklet for
XYZ(53.9901, 87.6016, 41.1894)
contains.

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Color

**XYZ(49.1167, 77.8063,
39.6235)**

Conversions

Conversions Part 1

Format	Color
Hex	7BFF92
RGB	123, 255, 146
RGB Percent	48%, 100%, 57%
CMY	0.5176, 0.0000, 0.4274
CMYK	0.52, 0.00, 0.43, 0.00
HSL	130°, 100%, 74%
HSV	130°, 52%, 100%
XYZ	49.1167, 77.8063, 39.6235
YIQ	203.1060, -43.6830, -61.8830

Conversions

Conversions Part 2

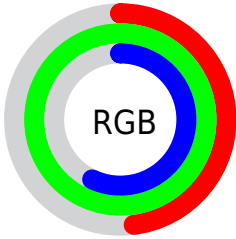
Format	Color
RYB	123, 235, 255
Decimal	8126354
CIELab	90.69, -58.64, 41.16
CIELCh	91, 71.645, 144.934
Yxy	77.8063, 0.2949, 0.4672
Android (android.graphics.Color)	4286316434 (0xFF7BFF92)
YUV	203.1060, -28.1533, -70.2530
Hunter-Lab	88.2079, -54.9698, 35.1121

Details

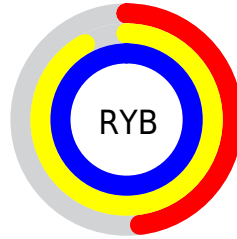
The XYZ color **49.1167, 77.8063, 39.6235** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **62.8884, 41.2524, 80.9908**, and the grayscale version is **57.0222, 59.9918, 65.3311**.

A 20% lighter version of the original color is **65.8311, 85.8043, 68.3506**, and **23.7316, 41.6402, 17.3763** is the 20% darker color. If you saturate the color by 10%, you get **44.4416, 75.5683, 31.6279**, and if you desaturate by 10%, it is **55.0442, 80.6550, 49.2549**.

Distribution



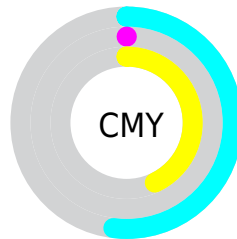
- Red (48%)
- Green (100%)
- Blue (57%)



- Red (48%)
- Yellow (92%)
- Blue (100%)



- Cyan (52%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)





- Cyan (52%)
- Magenta (0%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1167, 77.8063, 39.6235 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 49.1167, 77.8063, 39.6235 by changing the saturation by 10% instead.


 49.1167, 77.8063,
39.6235


 49.1167, 77.8063,
39.6235


373.7109,
487.5087, 360.0389


 34.9270, 57.9149,
26.9336


 88.0644, 130.2770,
75.8207

 23.7729, 41.7402,
17.2913


 113.5532,
163.6251, 100.1650

 15.2891, 28.8979,
10.2783


 143.5389,
202.2276, 129.2311

 9.1101, 19.0036,
5.4758

178.3871,
246.4687, 163.4377

 4.8708, 11.6729,
2.4655

218.4630,
296.7331, 203.2032

 2.2056, 6.5214,
0.8218

264.1321,

 0.7457, 3.1646,

353.4049, 248.9462

0.0000

315.7596,
416.8687, 301.0853

0.0000, 1.2183,
0.0000

0.0000, 0.0765,
0.0000

49.1167, 77.8063,
39.6235

49.1167, 77.8063,
39.6235

44.4416, 75.5683,
31.6279

55.0442, 80.6550,
49.2549

40.9257, 73.8950,
25.1736

62.3055, 84.1547,
60.6021

38.4643, 72.7345,
20.1618

70.9765, 88.3428,
73.7446

36.9327, 72.0248,
16.4810

81.1269, 93.2538,
88.7555

■ 36.2228, 71.7051,
14.3573

■ 92.8219, 98.9198,
105.7040

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.



60.3177, 77.8063, 22.9259



49.1167, 77.8063, 39.6235



44.5903, 77.8063, 76.2734

Triad

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



49.1167, 77.8063, 39.6235



70.9420, 77.8063, 226.5186



109.9310, 77.8063, 49.4646

Complementary

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



49.1167, 77.8063, 39.6235



62.8884, 41.2524, 80.9908

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.



114.0002, 77.8063, 93.7636



49.1167, 77.8063, 39.6235



89.5014, 77.8063, 209.9136

Square

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



49.1167, 77.8063, 39.6235



55.8192, 77.8063, 194.3103



106.0031, 77.8063, 155.2637



95.6407, 77.8063, 26.7812

Rectangle

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



49.1167, 77.8063, 39.6235



45.3312, 77.8063, 112.8729



106.0031, 77.8063, 155.2637



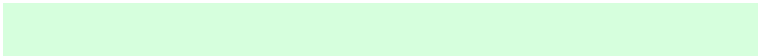
112.6282, 77.8063, 61.6834

Sweetspot

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



49.1171, 77.8065, 39.6247



76.6424, 91.0832, 82.1644



72.9396, 90.2738, 32.3196



15.9593, 19.2801, 16.9275



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.



49.1171, 77.8065, 39.6247



44.3457, 75.5225, 31.4583



55.6865, 80.4342, 74.2187



17.9007, 20.2198, 19.7803



18.9645, 37.4824, 7.6982



1.8804, 3.6631, 0.9279

Inverse Universe

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



62.8884, 41.2524, 80.9908



59.4328, 35.3619, 76.6923



55.2983, 38.2164, 41.0217



18.6488, 18.2428, 22.0337



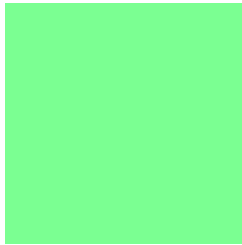
27.7138, 13.5748, 33.4728



2.7325, 1.3354, 3.4388

Previews

White Background



This preview shows how the XYZ color 49.1167, 77.8063, 39.6235 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 49.1167, 77.8063, 39.6235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

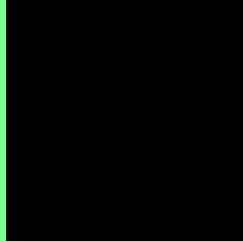
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1167, 77.8063, 39.6235

Background



This preview shows how black text looks on a background with the XYZ color 49.1167, 77.8063, 39.6235.

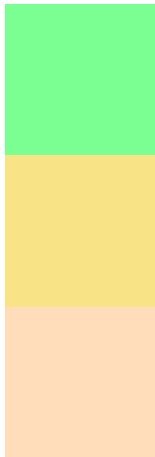


This preview shows how white text looks on a background with the XYZ color 49.1167, 77.8063,

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

49.1167, 77.8063, 39.6235

Protanopia

70.5537, 76.6439, 33.9968

Deuteranopia

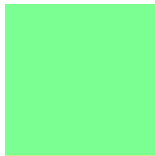
76.0661, 76.5608, 57.7823



Tritanopia

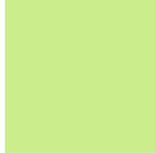
65.0650, 77.2778, 106.0946

Trichromacy



Original Color

49.1167, 77.8063, 39.6235



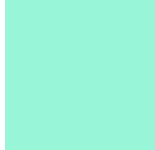
Protanomaly

59.5730, 75.1290, 35.7876



Deuteranomaly

62.3174, 74.5218, 50.1294



Tritanomaly

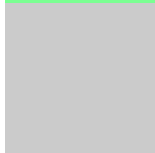
57.8670, 76.8865, 76.0806

Monochromacy



Original Color

49.1167, 77.8063, 39.6235



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

52.0203, 64.6186, 53.9868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1167, 77.8063, 39.6235 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(123, 255, 146)` looks like.

```
.text, #text, p{  
    color:rgb(123, 255, 146)  
}
```

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(123, 255, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 255, 146) }
```

Border

The CSS property to change the border of an element to XYZ 49.1167, 77.8063, 39.6235 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(123, 255, 146) }
```


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

```
.border{ border-color:rgb(123, 255, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 255, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 255, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 255, 146);  
box-shadow:4px 4px 4px 4px rgb(123, 255,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1167, 77.8063, 39.6235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 255, 146) }
```

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

```
.background{ background-color: rgb(123,  
255, 146) }
```

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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