

# Converting Colors

XYZ(41.4731, 74.3292, 18.3319)

Have a look what the booklet for  
XYZ(41.4731, 74.3292, 18.3319)  
contains.

<b>XYZ(41.4439, 74.3150, 18.2908)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(41.4439, 74.3150,  
18.2908)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5DFF48
RGB	93, 255, 72
RGB Percent	36%, 100%, 28%
CMY	0.6353, 0.0000, 0.7176
CMYK	0.64, 0.00, 0.72, 0.00
HSL	113°, 100%, 64%
HSV	113°, 72%, 100%
XYZ	41.4439, 74.3150, 18.2908
YIQ	185.7000, -37.8090, -91.2570

# Conversions

## Conversions Part 2

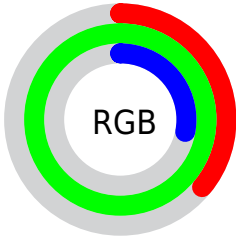
Format	Color
<a href="#">RYB</a>	<a href="#">72, 255, 234</a>
Decimal	<a href="#">6160200</a>
CIELab	<a href="#">89.07, -73.74, 70.80</a>
CIELCh	<a href="#">89, 102.231, 136.165</a>
Yxy	<a href="#">74.3150, 0.3092, 0.5544</a>
Android (android.graphics.Color)	<a href="#">4284350280 (0xFF5DFF48)</a>
YUV	<a href="#">185.7000, -56.0541, -81.2979</a>
Hunter-Lab	<a href="#">86.2061, -65.0463, 47.7644</a>

# Details

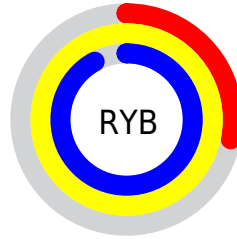
The XYZ color **41.4439, 74.3150, 18.2908** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed green. A complement of this color would be **54.3015, 29.3491, 97.4107**, and the grayscale version is **46.8234, 49.2618, 53.6461**.

A 20% lighter version of the original color is **54.2865, 80.6053, 33.8163**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **38.8198, 73.0393, 14.6894**, and if you desaturate by 10%, it is **45.0875, 76.0765, 23.7414**.

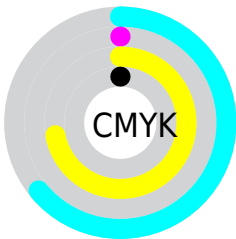
# Distribution



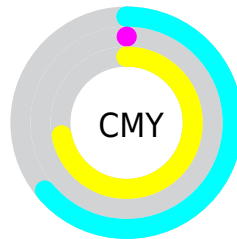
- Red (36%)
- Green (100%)
- Blue (28%)



- Red (28%)
- Yellow (100%)
- Blue (92%)



- Cyan (64%)
- Magenta (0%)
- Yellow (72%)
- Black (0%)




- Cyan (64%)
- Magenta (0%)
- Yellow (72%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4439, 74.3150, 18.2908 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 41.4439, 74.3150, 18.2908 by changing the saturation by 10% instead.





 41.4439, 74.3150,  
18.2908


 41.4439, 74.3150,  
18.2908


343.2035,  
475.5598, 254.7960

 28.8553, 55.0519,  
10.9874


 76.6278, 125.3422,  
41.3528


 19.1151, 39.4433,  
5.9443


 99.9537, 157.8752,  
57.9485


 11.8580, 27.1047,  
2.7430


 127.5895,  
195.6002, 78.4787

 6.7186, 17.6519,  
0.9649

 159.9005,  
238.9016, 103.3619

 3.3315, 10.7004,  
0.0000

 197.2520,  
288.1639, 133.0167

 1.3314, 5.8657,  
0.0000

240.0095,

 0.2065, 2.7636,

343.7714, 167.8616

0.0000

288.5382,  
406.1086, 208.3152

0.0000, 1.0096,  
0.0000

0.0000, 0.0000,  
0.0000

41.4439, 74.3150,  
18.2908

41.4439, 74.3150,  
18.2908

38.8198, 73.0393,  
14.6894

45.0875, 76.0765,  
23.7414


37.1073, 72.1989,  
12.6898


49.8416, 78.3663,  
31.2404


36.2739, 71.7849,  
11.9441


55.7879, 81.2226,  
40.9649

63.0002, 84.6802,  
53.0723

 71.5461, 88.7708,  
67.7054

 81.4887, 93.5239,  
84.9960

 92.8866, 98.9673,  
105.0666

 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.



58.1366, 74.3150, 7.7733



41.4439, 74.3150, 18.2908



33.6254, 74.3150, 52.3807

# Triad

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



41.4439, 74.3150, 18.2908



59.8026, 74.3150, 300.1287



127.2556, 74.3150, 48.4560

# Complementary

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



41.4439, 74.3150, 18.2908



54.3015, 29.3491, 97.4107

# 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.



128.0025, 74.3150, 118.2929



41.4439, 74.3150, 18.2908



84.8055, 74.3150, 296.6869

# Square

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



41.4439, 74.3150, 18.2908



42.4154, 74.3150, 225.4142



111.0606, 74.3150, 217.7044



109.2111, 74.3150, 16.8676



# Rectangle

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



41.4439, 74.3150, 18.2908



32.9526, 74.3150, 96.5379



111.0606, 74.3150, 217.7044



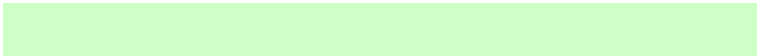
129.6610, 74.3150, 67.0781

# Sweetspot

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



41.4442, 74.3151, 18.2920



71.3268, 88.6659, 67.3269



71.7334, 80.3750, 17.8652



14.7438, 18.7279, 13.5100



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.



41.4442, 74.3151, 18.2920



37.9897, 72.6332, 13.6625



43.3271, 74.8556, 37.8169



17.9650, 20.2679, 19.1096



19.0149, 37.5406, 6.2439



1.9109, 3.6859, 0.6107



# Inverse Universe

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



54.3015, 29.3491, 97.4107



51.2539, 25.2604, 96.7821



52.2992, 29.3922, 48.7342



18.5754, 18.1884, 22.7816



25.8601, 12.2418, 50.4345

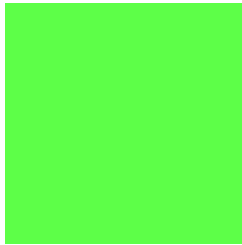


2.5737, 1.2207, 4.9132



# Previews

## White Background



This preview shows how the XYZ color 41.4439, 74.3150, 18.2908 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 41.4439, 74.3150, 18.2908 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 41.4439, 74.3150, 18.2908**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.4439, 74.3150, 18.2908.



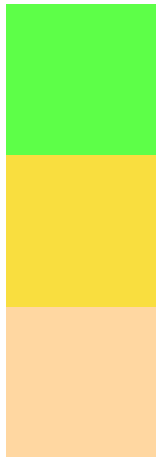
This preview shows how white text looks on a background with the XYZ color 41.4439, 74.3150,



# 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

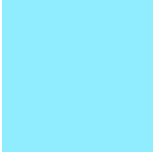
41.4439, 74.3150, 18.2908

### Protanopia

66.0854, 72.7412, 15.2600

### Deuteranopia

71.9735, 72.4341, 43.9060



## **Tritanopia**

59.6619, 73.6280, 105.6749

# Trichromacy



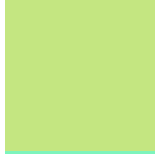
## Original Color

41.4439, 74.3150, 18.2908



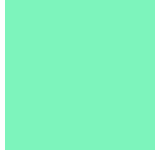
## Protanomaly

52.1444, 70.4455, 16.0033



## Deuteranomaly

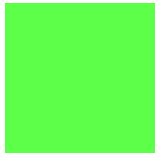
55.0242, 69.9144, 31.3636



## Tritanomaly

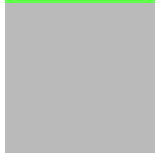
49.8852, 72.6922, 58.9787

# Monochromacy



## Original Color

41.4439, 74.3150, 18.2908



## Achromatopsia

46.6715, 49.1021, 53.4722



## Achromatomaly

41.3540, 55.3083, 35.2840

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.4439, 74.3150, 18.2908 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, 255, 72)` looks like.

```
.text, #text, p{  
    color:rgb(93, 255, 72)  
}
```

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, 255, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 255, 72) }
```

## Border

The CSS property to change the border of an element to XYZ 41.4439, 74.3150, 18.2908 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, 255, 72) }
```



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

```
.border{ border-color:rgb(93, 255, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 255, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 255, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 255, 72);  
box-shadow:4px 4px 4px 4px rgb(93, 255,  
72) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.4439, 74.3150, 18.2908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 255, 72) }
```

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

```
.background{ background-color: rgb(93, 255,  
72) }
```

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