

# Converting Colors

XYZ(44.5975, 75.2886, 47.9011)

Have a look what the booklet for  
XYZ(44.5975, 75.2886, 47.9011)  
contains.

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# Color

**XYZ(44.6014, 75.2934,  
47.7796)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3FFFA5
RGB	63, 255, 165
RGB Percent	25%, 100%, 65%
CMY	0.7529, 0.0000, 0.3529
CMYK	0.75, 0.00, 0.35, 0.00
HSL	152°, 100%, 62%
HSV	152°, 75%, 100%
XYZ	44.6014, 75.2934, 47.7796
YIQ	187.3320, -85.5420, -68.6940

# Conversions

## Conversions Part 2

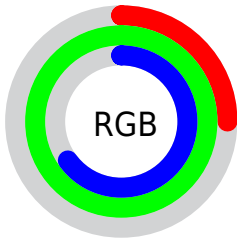
<b>Format</b>	<b>Color</b>
<b>RYB</b>	63, 188, 255
Decimal	4194213
CIELab	89.53, -66.33, 29.97
CIELCh	90, 72.783, 155.686
Yxy	75.2934, 0.2660, 0.4490
Android (android.graphics.Color)	4282384293 (0xFF3FFFA5)
YUV	187.3320, -11.0097, -109.0392
Hunter-Lab	86.7718, -60.1001, 28.0931

# Details

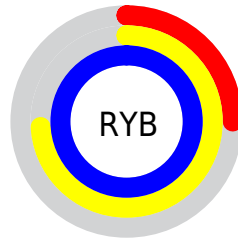
The XYZ color **44.6014, 75.2934, 47.7796** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **48.7677, 27.1155, 32.8014**, and the grayscale version is **47.5169, 49.9914, 54.4407**.

A 20% lighter version of the original color is **59.1277, 82.0588, 81.1292**, and **22.8909, 41.1024, 22.0563** is the 20% darker color. If you saturate the color by 10%, you get **42.2950, 74.2243, 42.2559**, and if you desaturate by 10%, it is **47.7638, 76.7920, 53.8767**.

# Distribution



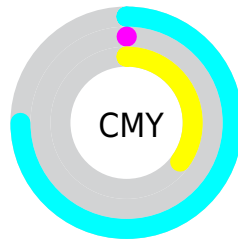
- Red (25%)
- Green (100%)
- Blue (65%)



- Red (25%)
- Yellow (74%)
- Blue (100%)



- Cyan (75%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)




- Cyan (75%)
- Magenta (0%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.6014, 75.2934, 47.7796 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 44.6014, 75.2934, 47.7796 by changing the saturation by 10% instead.




 44.6014, 75.2934,  
47.7796


 44.6014, 75.2934,  
47.7796


355.9677,  
478.9254, 394.4013


 31.3435, 55.8533,  
33.2936


 81.3627, 126.7276,  
88.2383


 21.0137, 40.0853,  
22.0785


 105.5968,  
159.4905, 115.0481

 13.2465, 27.6051,  
13.7157


 134.2204,  
197.4631, 146.8029

 7.6767, 18.0282,  
7.7867

 167.5988,  
241.0297, 183.9213

 3.9388, 10.9702,  
3.8730

206.0974,  
290.5749, 226.8218

 1.6676, 6.0468,  
1.5559

250.0815,

 0.4359, 2.8736,

346.4830, 275.9229

0.2591

299.9165,  
409.1384, 331.6433

0.0000, 1.0661,  
0.0000

0.0000, 0.0000,  
0.0000

44.6014, 75.2934,  
47.7796

44.6014, 75.2934,  
47.7796

42.2950, 74.2243,  
42.2559

47.7638, 76.7920,  
53.8767

40.7266, 73.5242,  
37.2820

51.8754, 78.7679,  
60.5618

40.1663, 73.2825,  
35.1232

57.0183, 81.2631,  
67.8533

63.2648, 84.3145,  
75.7676

■ 70.6804, 87.9558,  
84.3202

■ 79.3256, 92.2178,  
93.5261

■ 89.2562, 97.1289,  
103.3997

■ 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.



53.3369, 75.2934, 25.2237



44.6014, 75.2934, 47.7796



42.5344, 75.2934, 92.1213

# Triad

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



44.6014, 75.2934, 47.7796



75.0221, 75.2934, 224.0206



103.2494, 75.2934, 36.9407

# Complementary

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



44.6014, 75.2934, 47.7796



48.7677, 27.1155, 32.8014

# 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.



111.4793, 75.2934, 72.6148



44.6014, 75.2934, 47.7796



93.5324, 75.2934, 190.6657

# Square

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



44.6014, 75.2934, 47.7796



58.3314, 75.2934, 208.2944



107.6566, 75.2934, 129.5271



86.6604, 75.2934, 21.0367



# Rectangle

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



44.6014, 75.2934, 47.7796



44.8557, 75.2934, 132.4467



107.6566, 75.2934, 129.5271



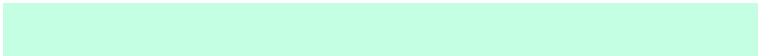
107.2006, 75.2934, 46.3045

# Sweetspot

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



44.6020, 75.2936, 47.7809



72.5515, 88.8769, 86.3722



50.3294, 78.9272, 17.2851



14.9041, 18.7158, 17.7983



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.



44.6020, 75.2936, 47.7809



41.4730, 73.8530, 39.8470



54.8478, 77.7722, 106.7285



18.1749, 20.3295, 21.2240



21.0639, 38.3222, 18.7538



2.1062, 3.7534, 2.1168



# Inverse Universe

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



48.7677, 27.1155, 32.8014



45.8374, 23.6724, 24.3718



44.0975, 25.5393, 7.3087



18.3638, 18.1288, 20.5327



23.3793, 11.8410, 10.6478

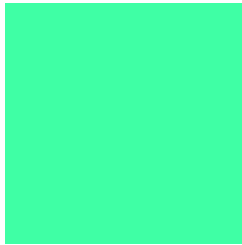


2.3310, 1.1748, 1.3244



# Previews

## White Background



This preview shows how the XYZ color 44.6014, 75.2934, 47.7796 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 44.6014, 75.2934, 47.7796 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 44.6014, 75.2934, 47.7796**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.6014, 75.2934, 47.7796.



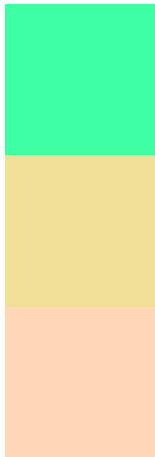
This preview shows how white text looks on a background with the XYZ color 44.6014, 75.2934,



# 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

44.6014, 75.2934, 47.7796

### Protanopia

68.2492, 73.7105, 39.9086

### Deuteranopia

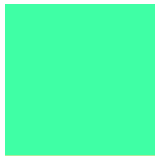
74.0877, 73.2798, 55.0393



## Tritanopia

59.9010, 74.6157, 105.8529

# Trichromacy



## Original Color

44.6014, 75.2934, 47.7796



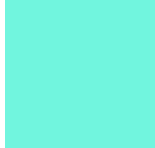
## Protanomaly

53.6136, 71.0471, 42.3402



## Deuteranomaly

56.1409, 70.0425, 51.6349



## Tritanomaly

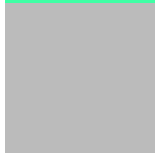
52.6473, 74.0895, 80.6331

# Monochromacy



## Original Color

44.6014, 75.2934, 47.7796



## Achromatopsia

47.2335, 49.6933, 54.1160



## Achromatomaly

42.8355, 56.0924, 51.2171

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.6014, 75.2934, 47.7796 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(63, 255, 165)` looks like.

```
.text, #text, p{  
    color:rgb(63, 255, 165)  
}
```

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(63, 255, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 255, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 44.6014, 75.2934, 47.7796 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(63, 255, 165) }
```



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

```
.border{ border-color:rgb(63, 255, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 255, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 255, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 255, 165);  
box-shadow:4px 4px 4px 4px rgb(63, 255,  
165) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.6014, 75.2934, 47.7796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 255, 165) }
```

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

```
.background{ background-color: rgb(63, 255,  
165) }
```

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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