

Converting Colors

XYZ(44.3877, 74.6338, 25.2210)

Have a look what the booklet for
XYZ(44.3877, 74.6338, 25.2210)
contains.

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Color

**XYZ(44.4340, 74.7607,
25.1851)**

Conversions

Conversions Part 1

Format	Color
Hex	71FD68
RGB	113, 253, 104
RGB Percent	44%, 99%, 41%
CMY	0.5569, 0.0078, 0.5921
CMYK	0.55, 0.00, 0.59, 0.01
HSL	116°, 97%, 70%
HSV	116°, 59%, 99%
XYZ	44.4340, 74.7607, 25.1851
YIQ	194.1540, -35.6110, -76.0190

Conversions

Conversions Part 2

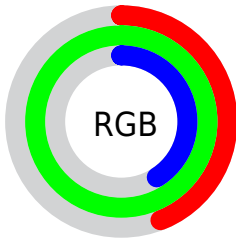
Format	Color
RYB	104, 253, 244
Decimal	7470440
CIELab	89.28, -65.74, 58.75
CIELCh	89, 88.165, 138.214
Yxy	74.7607, 0.3078, 0.5178
Android (android.graphics.Color)	4285660520 (0xFF71FD68)
YUV	194.1540, -44.4459, -71.1721
Hunter-Lab	86.4643, -59.5813, 43.2551

Details

The XYZ color **44.4340, 74.7607, 25.1851** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **59.9924, 36.2284, 96.7632**, and the grayscale version is **51.6412, 54.3305, 59.1660**.

A 20% lighter version of the original color is **59.6972, 83.1372, 45.7016**, and **20.8853, 39.6749, 9.3536** is the 20% darker color. If you saturate the color by 10%, you get **40.6690, 72.9489, 19.2779**, and if you desaturate by 10%, it is **49.3889, 77.1459, 33.1629**.

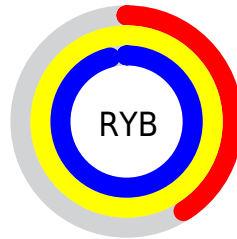
Distribution



Red (44%)

Green (99%)

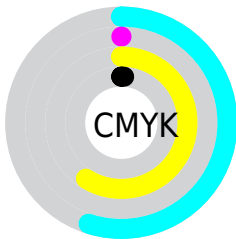
Blue (41%)



Red (41%)

Yellow (99%)

Blue (96%)

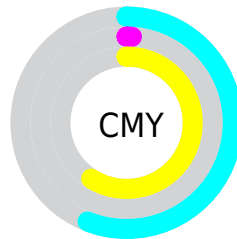


Cyan (55%)

Magenta (0%)

Yellow (59%)

Black (1%)



Cyan (56%)


Magenta (1%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.4340, 74.7607, 25.1851 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 44.4340, 74.7607, 25.1851 by changing the saturation by 10% instead.


 44.4340, 74.7607,
25.1851


 44.4340, 74.7607,
25.1851


355.2988,
477.0947, 292.2356


 31.2112, 55.4169,
15.9947


 81.1127, 125.9736,
52.9252


 20.9124, 39.7356,
9.3661


 105.2994,
158.6114, 72.3120

 13.1720, 27.3324,
4.8807


 133.8714,
196.4493, 95.9347

 7.6249, 17.8231,
2.1199

 167.1940,
239.8718, 124.2119

 3.9057, 10.8230,
0.6276

205.6328,
289.2632, 157.5620

 1.6489, 5.9480,
0.0000

249.5529,

 0.4240, 2.8135,

345.0078, 196.4036

0.0000

299.3198,
407.4902, 241.1553

0.0000, 1.0351,
0.0000

0.0000, 0.0000,
0.0000

44.4340, 74.7607,
25.1851

44.4340, 74.7607,
25.1851

40.6690, 72.9489,
19.2779

49.3889, 77.1459,
33.1629

37.9889, 71.6537,
15.2454


55.6168, 80.1369,
43.3736


36.2795, 70.8234,
12.8633

63.1992, 83.7748,
55.9690

35.3899, 70.3874,
11.8014

72.2095, 88.0946,
71.0864

 35.3283, 70.3574,
11.7184

 82.7160, 93.1285,
88.8527

 94.4168, 98.7335,
108.6889

Harmonies

Analogous

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



58.8827, 74.7607, 12.7203



44.4340, 74.7607, 25.1851



37.7368, 74.7607, 59.4983

Triad

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



44.4340, 74.7607, 25.1851



62.9295, 74.7607, 261.4709



118.1057, 74.7607, 49.6710

Complementary

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



44.4340, 74.7607, 25.1851



59.9924, 36.2284, 96.7632

Split Complementary

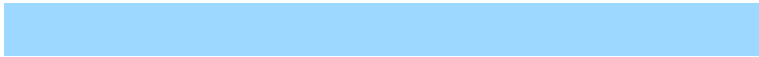
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



119.8003, 74.7607, 108.1122



44.4340, 74.7607, 25.1851



84.8051, 74.7607, 254.0483

Square

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



44.4340, 74.7607, 25.1851



46.8788, 74.7607, 205.7410



106.6289, 74.7607, 188.7796



102.3824, 74.7607, 21.1233

Rectangle

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



44.4340, 74.7607, 25.1851



37.4436, 74.7607, 99.5511



106.6289, 74.7607, 188.7796



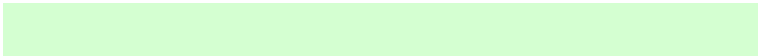
120.4364, 74.7607, 65.6042

Sweetspot

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



44.4358, 74.7638, 25.1868



74.3953, 90.1063, 73.8577



75.0806, 86.0270, 25.7456



15.3107, 18.9927, 14.7765



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.



44.4358, 74.7638, 25.1868



40.7299, 73.9395, 18.5948



47.9574, 76.0453, 49.4760



17.8730, 20.2205, 19.1053



18.8307, 37.4457, 6.2353



1.8675, 3.6635, 0.6087

Inverse Universe

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



59.9924, 36.2284, 96.7632



57.8276, 31.3563, 97.6123



54.5849, 34.4348, 51.5945



18.6780, 18.2412, 22.7864



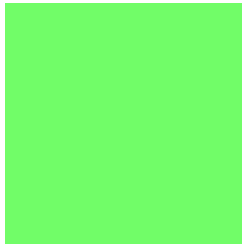
28.1849, 13.4403, 50.5433



2.7758, 1.3249, 4.9227

Previews

White Background



This preview shows how the XYZ color 44.4340, 74.7607, 25.1851 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 44.4340, 74.7607, 25.1851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

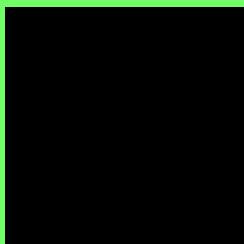
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

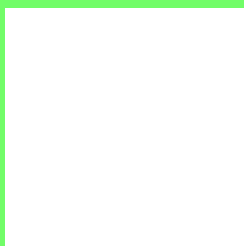
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.4340, 74.7607, 25.1851

Background



This preview shows how black text looks on a background with the XYZ color 44.4340, 74.7607, 25.1851.

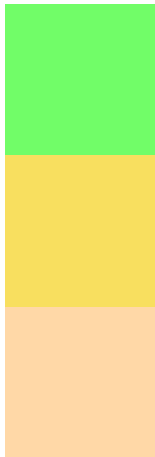


This preview shows how white text looks on a background with the XYZ color 44.4340, 74.7607,

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

44.4340, 74.7607, 25.1851

Protanopia

67.1646, 73.5580, 21.4846

Deuteranopia

72.7709, 73.1618, 46.8454



Tritanopia

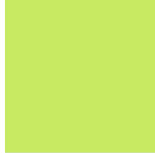
61.0967, 74.3677, 105.7420

Trichromacy



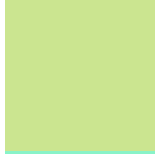
Original Color

44.4340, 74.7607, 25.1851



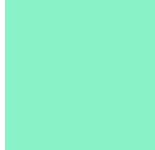
Protanomaly

55.1806, 71.8696, 22.5192



Deuteranomaly

57.6820, 70.7487, 37.0013



Tritanomaly

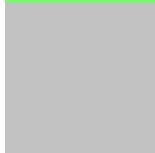
52.7924, 73.5897, 66.0654

Monochromacy



Original Color

44.4340, 74.7607, 25.1851



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

46.2505, 59.1734, 42.7022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.4340, 74.7607, 25.1851 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(113, 253, 104)` looks like.

```
.text, #text, p{  
    color:rgb(113, 253, 104)  
}
```

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(113, 253, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 253, 104) }
```

Border

The CSS property to change the border of an element to XYZ 44.4340, 74.7607, 25.1851 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(113, 253, 104) }
```


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

```
.border{ border-color:rgb(113, 253, 104) }
```

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

Here you see how a box with a 4 pixel rgb(113, 253, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 253, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 253, 104);  
box-shadow:4px 4px 4px 4px rgb(113, 253,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 44.4340, 74.7607, 25.1851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 253, 104) }
```

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

```
.background{ background-color: rgb(113,  
253, 104) }
```

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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