

Converting Colors

XYZ(59.5675, 105.7817,
26.6119)

Have a look what the booklet for
XYZ(59.5675, 105.7817, 26.6119)
contains.

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Color

**XYZ(44.5917, 75.8694,
21.5266)**

Conversions

Conversions Part 1

Format	Color
Hex	73FF58
RGB	115, 255, 88
RGB Percent	45%, 100%, 35%
CMY	0.5490, 0.0000, 0.6549
CMYK	0.55, 0.00, 0.65, 0.00
HSL	110°, 100%, 67%
HSV	110°, 65%, 100%
XYZ	44.5917, 75.8694, 21.5266
YIQ	194.1020, -29.8330, -81.6170

Conversions

Conversions Part 2

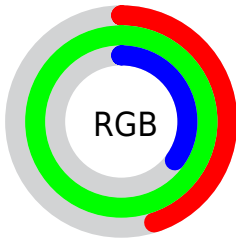
Format	Color
RYB	88, 255, 228
Decimal	7602008
CIELab	89.80, -67.51, 65.90
CIELCh	90, 94.344, 135.693
Yxy	75.8694, 0.3141, 0.5343
Android (android.graphics.Color)	4285792088 (0xFF73FF58)
YUV	194.1020, -52.3083, -69.3725
Hunter-Lab	87.1030, -61.0487, 46.3192

Details

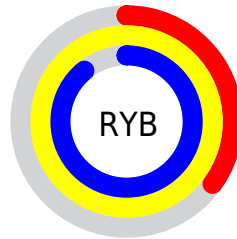
The XYZ color **44.5917, 75.8694, 21.5266** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted chartreuse. A complement of this color would be **53.5367, 30.6952, 97.7108**, and the grayscale version is **51.6515, 54.3414, 59.1777**.

A 20% lighter version of the original color is **58.9255, 82.8807, 39.2774**, and **20.9960, 40.4455, 7.5108** is the 20% darker color. If you saturate the color by 10%, you get **41.2209, 74.2332, 16.7864**, and if you desaturate by 10%, it is **48.9841, 77.9897, 28.2442**.

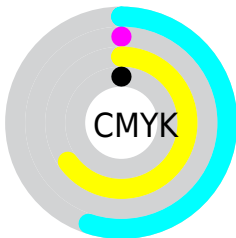
Distribution



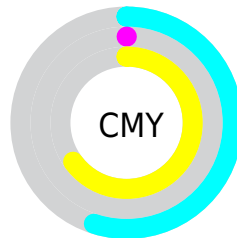
- Red (45%)
- Green (100%)
- Blue (35%)



- Red (35%)
- Yellow (100%)
- Blue (89%)



- Cyan (55%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)



- Cyan (55%)
- Magenta (0%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.5917, 75.8694, 21.5266 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 44.5917, 75.8694, 21.5266 by changing the saturation by 10% instead.


 44.5917, 75.8694,
21.5266

 44.5917, 75.8694,
21.5266


355.9290,
480.9005, 272.9364

 31.3359, 56.3254,
13.3145


 81.3482, 127.5423,
46.8544


 21.0078, 40.4639,
7.5122


 105.5796,
160.4400, 64.8072

 13.2422, 27.9004,
3.7012


 134.2002,
198.5577, 86.8440

 7.6737, 18.2506,
1.4629

 167.5754,
242.2798, 113.3833

 3.9369, 11.1301,
0.1900

206.0705,
291.9908, 144.8436

 1.6665, 6.1544,
0.0000

250.0509,

 0.4352, 2.9392,

348.0750, 181.6436

0.0000

299.8819,
410.9167, 224.2016

■ 0.0000, 1.1001,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.5917, 75.8694,
21.5266

■ 44.5917, 75.8694,
21.5266

■ 41.2209, 74.2332,
16.7864

■ 48.9841, 77.9897,
28.2442

■ 38.7848, 73.0407,
13.8048

■ 54.4733, 80.6286,
37.1201

■ 37.1819, 72.2457,
12.3173

■ 61.1280, 83.8183,
48.3186

■ 36.6833, 71.9960,
11.9632

■ 69.0113, 87.5879,
61.9873

■ 78.1813, 91.9645,
78.2615

■ 88.6927, 96.9736,
97.2666

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.



60.6709, 75.8694, 10.4551



44.5917, 75.8694, 21.5266



36.8567, 75.8694, 54.8094

Triad

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



44.5917, 75.8694, 21.5266



61.6072, 75.8694, 279.4545



124.3507, 75.8694, 52.5636

Complementary

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



44.5917, 75.8694, 21.5266



53.5367, 30.6952, 97.7108

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.



124.7539, 75.8694, 118.5055



44.5917, 75.8694, 21.5266



84.9070, 75.8694, 277.6509

Square

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



44.5917, 75.8694, 21.5266



45.1494, 75.8694, 212.4697



109.1145, 75.8694, 208.3824



108.1091, 75.8694, 20.6449

Rectangle

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



44.5917, 75.8694, 21.5266



36.1155, 75.8694, 95.9866



109.1145, 75.8694, 208.3824



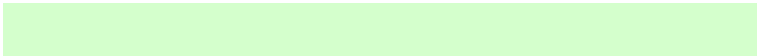
126.4439, 75.8694, 70.5358

Sweetspot

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



44.5920, 75.8695, 21.5278



73.8809, 89.9130, 70.5877



70.5166, 76.9946, 20.3785



15.2692, 18.9852, 14.1446



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.



44.5920, 75.8695, 21.5278



40.2637, 73.7660, 15.5510



44.7939, 75.5985, 38.4848



18.0450, 20.3091, 19.1133



19.2479, 37.6607, 6.2548



1.9483, 3.7052, 0.6125

Inverse Universe

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



53.5367, 30.6952, 97.7108



49.6060, 25.4151, 96.8988



55.0780, 32.3795, 57.5840



18.4874, 18.1430, 22.7775



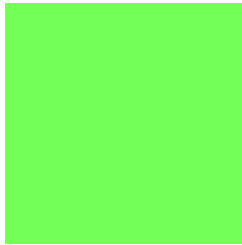
23.9956, 11.2807, 50.3473



2.4100, 1.1363, 4.9056

Previews

White Background



This preview shows how the XYZ color 44.5917, 75.8694, 21.5266 looks on a white background.

Color Contrast Check

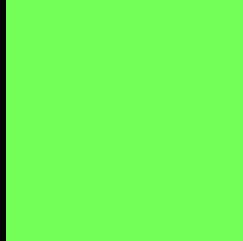
Large Text (above 18pt) WCAG AA × Fail

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 44.5917, 75.8694, 21.5266 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

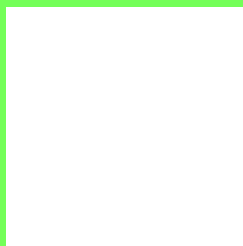
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.5917, 75.8694, 21.5266

Background



This preview shows how black text looks on a background with the XYZ color 44.5917, 75.8694, 21.5266.

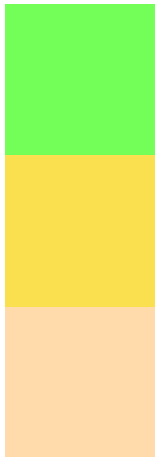


This preview shows how white text looks on a background with the XYZ color 44.5917, 75.8694,

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

44.5917, 75.8694, 21.5266

Protanopia

67.4913, 74.1998, 18.1620

Deuteranopia

73.5671, 74.3051, 48.4951



Tritanopia

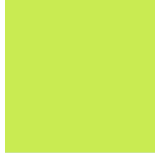
62.4347, 75.0575, 105.8046

Trichromacy



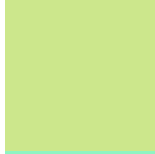
Original Color

44.5917, 75.8694, 21.5266



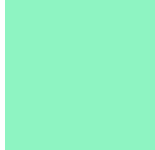
Protanomaly

55.3187, 72.4434, 19.0500



Deuteranomaly

58.2114, 71.8826, 35.6176



Tritanomaly

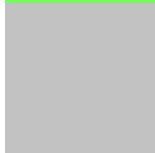
53.2436, 74.3472, 62.5831

Monochromacy



Original Color

44.5917, 75.8694, 21.5266



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

45.9893, 59.4776, 40.0668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.5917, 75.8694, 21.5266 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(115, 255, 88)` looks like.

```
.text, #text, p{  
    color:rgb(115, 255, 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(115, 255, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 255, 88) }
```

Border

The CSS property to change the border of an element to XYZ 44.5917, 75.8694, 21.5266 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(115, 255, 88) }
```


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

```
.border{ border-color:rgb(115, 255, 88) }
```

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

Here you see how a box with a 4 pixel rgb(115, 255, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 255, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 255, 88);  
box-shadow:4px 4px 4px 4px rgb(115, 255,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 44.5917, 75.8694, 21.5266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 255, 88) }
```

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

```
.background{ background-color: rgb(115,  
255, 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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