

Converting Colors

XYZ(41.8019, 74.3981, 22.8933)

Have a look what the booklet for
XYZ(41.8019, 74.3981, 22.8933)
contains.

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Color

**XYZ(41.8501, 74.4209,
22.9854)**

Conversions

Conversions Part 1

Format	Color
Hex	58FF5F
RGB	88, 255, 95
RGB Percent	35%, 100%, 37%
CMY	0.6549, 0.0000, 0.6274
CMYK	0.65, 0.00, 0.63, 0.00
HSL	123°, 100%, 67%
HSV	123°, 65%, 100%
XYZ	41.8501, 74.4209, 22.9854
YIQ	186.8270, -48.1720, -85.1640

Conversions

Conversions Part 2

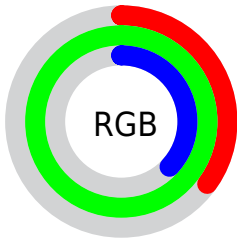
Format	Color
RYB	88, 248, 255
Decimal	5832543
CIELab	89.12, -72.72, 62.16
CIElCh	89, 95.667, 139.479
Yxy	74.4209, 0.3005, 0.5344
Android (android.graphics.Color)	4284022623 (0xFF58FF5F)
YUV	186.8270, -45.2707, -86.6713
Hunter-Lab	86.2675, -64.3743, 44.5899

Details

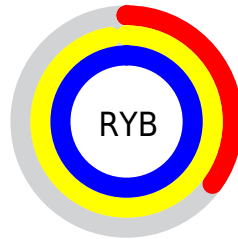
The XYZ color **41.8501, 74.4209, 22.9854** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted green. A complement of this color would be **61.6726, 35.0168, 92.3127**, and the grayscale version is **47.4034, 49.8721, 54.3107**.

A 20% lighter version of the original color is **54.8635, 80.7229, 41.9676**, and **20.2847, 40.0599, 8.3323** is the 20% darker color. If you saturate the color by 10%, you get **38.9019, 73.0099, 17.9318**, and if you desaturate by 10%, it is **45.9908, 76.4065, 29.9142**.

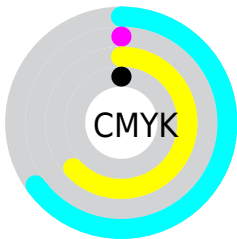
Distribution



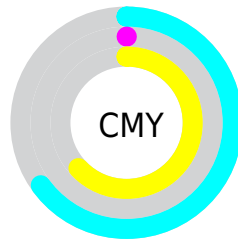
- Red (35%)
- Green (100%)
- Blue (37%)



- Red (35%)
- Yellow (97%)
- Blue (100%)



- Cyan (65%)
- Magenta (0%)
- Yellow (63%)
- Black (0%)





- Cyan (65%)
- Magenta (0%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8501, 74.4209, 22.9854 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 41.8501, 74.4209, 22.9854 by changing the saturation by 10% instead.


 41.8501, 74.4209,
22.9854

 41.8501, 74.4209,
22.9854


344.8634,
475.9248, 280.7695

 29.1745, 55.1386,
14.3775


 77.2393, 125.4923,
49.2922


 19.3578, 39.5127,
8.2420


 100.6836,
158.0502, 67.8283

 12.0347, 27.1588,
4.1602

 128.4483,
195.8020, 90.5108

 6.8397, 17.6925,
1.7136

 160.8986,
239.1322, 117.7584

 3.4075, 10.7295,
0.3700

198.3999,
288.4252, 149.9895

 1.3727, 5.8852,
0.0000

241.3175,

 0.2367, 2.7754,

344.0654, 187.6227

0.0000

290.0169,
406.4371, 231.0765

■ 0.0000, 1.0156,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.8501, 74.4209,
22.9854

■ 41.8501, 74.4209,
22.9854

■ 38.9019, 73.0099,
17.9318

■ 45.9908, 76.4065,
29.9142

■ 37.0190, 72.1117,
14.5675


■ 51.4315, 79.0186,
38.8733


■ 36.0468, 71.6514,
12.6749

■ 58.2691, 82.3042,
50.0061

■ 35.8186, 71.5435,
12.2288

■ 66.5909, 86.3055,
63.4417

 76.4768, 91.0611,
79.2992

 88.0015, 96.6072,
97.6897

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.



56.8215, 74.4209, 10.2739



41.8501, 74.4209, 22.9854



35.1957, 74.4209, 59.7881

Triad

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



41.8501, 74.4209, 22.9854



62.8654, 74.4209, 283.9873



121.9399, 74.4209, 45.3326

Complementary

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



41.8501, 74.4209, 22.9854



61.6726, 35.0168, 92.3127

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.



124.5627, 74.4209, 106.7915



41.8501, 74.4209, 22.9854



86.7520, 74.4209, 272.1860

Square

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



41.8501, 74.4209, 22.9854



45.4354, 74.4209, 222.9463



110.5524, 74.4209, 196.2608



104.0209, 74.4209, 17.3938

Rectangle

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



41.8501, 74.4209, 22.9854



35.1070, 74.4209, 104.0544



110.5524, 74.4209, 196.2608



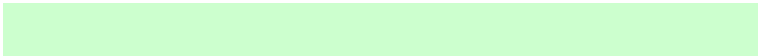
124.7690, 74.4209, 61.6831

Sweetspot

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



41.8504, 74.4211, 22.9866



71.8193, 88.8203, 71.8397



76.7431, 92.4441, 23.0316



14.7865, 18.7294, 14.4365



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.



41.8504, 74.4211, 22.9866



38.1267, 72.6397, 16.5685



47.7272, 76.7718, 53.9332



17.8024, 20.1805, 19.2626



18.7293, 37.3883, 6.4598



1.8340, 3.6445, 0.6836

Inverse Universe

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



61.6726, 35.0168, 92.3127



59.2578, 30.5444, 90.4061



51.6068, 30.9905, 39.3065



18.7578, 18.2864, 22.6078



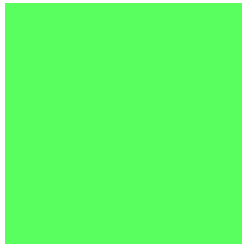
30.1200, 14.5373, 46.1437



2.9425, 1.4194, 4.5446

Previews

White Background



This preview shows how the XYZ color 41.8501, 74.4209, 22.9854 looks on a white background.

Color Contrast Check

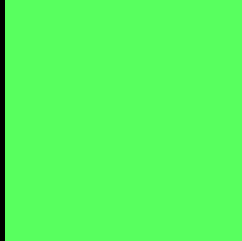
Large Text (above 18pt) WCAG AA × Fail

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 41.8501, 74.4209, 22.9854 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 41.8501, 74.4209, 22.9854

Background



This preview shows how black text looks on a background with the XYZ color 41.8501, 74.4209, 22.9854.

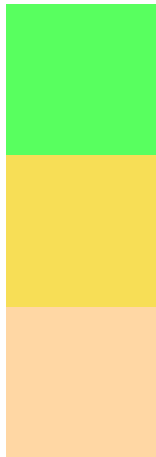


This preview shows how white text looks on a background with the XYZ color 41.8501, 74.4209,

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

41.8501, 74.4209, 22.9854

Protanopia

66.1588, 72.6886, 19.3475

Deuteranopia

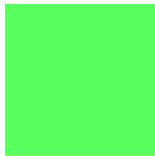
72.2413, 72.5412, 45.3163



Tritanopia

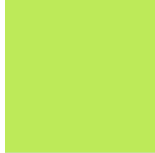
59.4895, 73.5392, 105.6668

Trichromacy



Original Color

41.8501, 74.4209, 22.9854



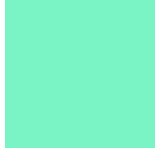
Protanomaly

52.2123, 70.3857, 20.2851



Deuteranomaly

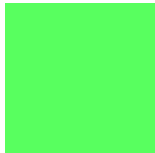
55.2051, 69.9270, 35.0137



Tritanomaly

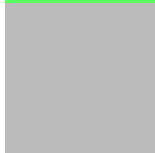
50.4548, 72.8702, 64.2294

Monochromacy



Original Color

41.8501, 74.4209, 22.9854



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

42.1387, 55.9994, 39.1599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8501, 74.4209, 22.9854 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(88, 255, 95)` looks like.

```
.text, #text, p{  
    color:rgb(88, 255, 95)  
}
```

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(88, 255, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 255, 95) }
```

Border

The CSS property to change the border of an element to XYZ 41.8501, 74.4209, 22.9854 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(88, 255, 95) }
```


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

```
.border{ border-color:rgb(88, 255, 95) }
```

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

Here you see how a box with a 4 pixel rgb(88, 255, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 255, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 255, 95);  
box-shadow:4px 4px 4px 4px rgb(88, 255,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8501, 74.4209, 22.9854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 255, 95) }
```

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

```
.background{ background-color: rgb(88, 255,  
95) }
```

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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