Converting Colors

XYZ(41.6729, 74.4255, 18.6425)

Have a look what the booklet for XYZ(41.6729, 74.4255, 18.6425) contains.

Color

XYZ(41.7153, 74.4473, 18.6497)

Conversions

Conversions Part 1

Format	Color
Hex	5FFF4A
RGB	95, 255, 74
RGB Percent	37%, 100%, 29%
CMY	0.6275, 0.0000, 0.7098
CMYK	0.63, 0.00, 0.71, 0.00
HSL	113°, 100%, 65%
HSV	113°, 71%, 100%
XYZ	41.7153, 74.4473, 18.6497
YIQ	186.5260, -37.2590, -90.2110

Conversions

Conversions Part 2

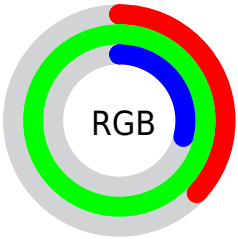
Format	Color
RYB	74, 255, 234
Decimal	6291274
CIELab	89.13, -73.19, 70.19
CIELCh	89, 101.407, 136.196
Yxy	74.4473, 0.3094, 0.5522
Android (android.graphics.Color)	4284481354 (0xFF5FFF4A)
YUV	186.5260, -55.4753, -80.2683
Hunter-Lab	86.2828, -64.6953, 47.5827

Details

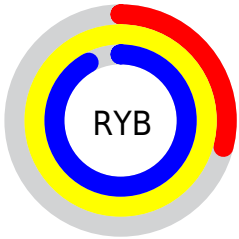
The XYZ color 41.7153, 74.4473, 18.6497 is a dark color, and the websafe version is hex 66FF33. The color can be described as middle washed green. A complement of this color would be 54.4331, 29.6120, 97.4545, and the grayscale version is 47.2846, 49.7471, 54.1746.

A 20% lighter version of the original color is 54.6228, 80.7630, 34.5397, and 19.9663, 39.9325, 6.6554 is the 20% darker color. If you saturate the color by 10%, you get 39.0107, 73.1330, 14.9114, and if you desaturate by 10%, it is 45.4456, 76.2501, 24.2542.

Distribution

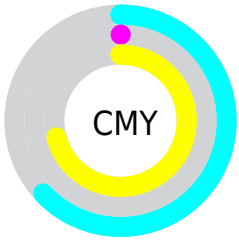


- Red (37%)
- Green (100%)
- Blue (29%)



- Red (29%)
- Yellow (100%)
- Blue (92%)

- Cyan (63%)
- Magenta (0%)
- Yellow (71%)
- Black (0%)



- Cyan (63%)
- Magenta (0%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7153, 74.4473, 18.6497 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 41.7153, 74.4473, 18.6497 by changing the saturation by 10% instead.

41.7153, 74.4473, 18.6497

41.7153, 74.4473, 18.6497

344.3131, 476.0157, 256.8660

29.0686, 55.1602, 11.2432

77.0364, 125.5297, 41.9701

19.2772, 39.5300, 6.1144

100.4415, 158.0938, 58.7211

11.9760, 27.1723, 2.8449

128.1635, 195.8523, 79.4240

6.7994, 17.7027, 1.0160

160.5676, 239.1897, 104.4973

3.3822, 10.7367, 0.0000

198.0193, 288.4904, 134.3597

1.3589, 5.8901, 0.0000

240.8839,

0.2267, 2.7784,

344.1386, 169.4295

289.5267, 406.5190, 210.1254

0.0000

0.0000, 1.0171, 0.0000

0.0000, 0.0000, 0.0000

41.7153, 74.4473, 18.6497

41.7153, 74.4473, 18.6497

39.0107, 73.1330, 14.9114

45.4456, 76.2501, 24.2542

37.2259, 72.2578, 12.7961

50.2915, 78.5836, 31.9217

36.2832, 71.7897, 11.9445

56.3338, 81.4855, 41.8276

63.6455, 84.9901, 54.1279

72.2936, 89.1290, 68.9646

82.3405, 93.9314, 86.4685

93.8447, 99.4248, 106.7616

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.

58.3202, 74.4473, 8.0330

41.7153, 74.4473, 18.6497

33.9275, 74.4473, 52.7393

Triad

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

41.7153, 74.4473, 18.6497

60.0197, 74.4473, 297.9507

126.8832, 74.4473, 48.7280

Complementary

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

41.7153, 74.4473, 18.6497

54.4331, 29.6120, 97.4545

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.

127.6420, 74.4473, 118.0481

41.7153, 74.4473, 18.6497

84.8535, 74.4473, 294.4647

Square

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

41.7153, 74.4473, 18.6497

42.7086, 74.4473, 224.2230

110.8781, 74.4473, 216.4051

108.9978, 74.4473, 17.1826

Rectangle

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

41.7153, 74.4473, 18.6497

33.2614, 74.4473, 96.6472

110.8781, 74.4473, 216.4051

129.2710, 74.4473, 67.2467

Sweetspot

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

41.7155, 74.4474, 18.6509

72.2729, 89.1191, 68.9288

71.8661, 80.5342, 18.2366

14.9291, 18.8167, 13.8212

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.

41.7155, 74.4474, 18.6509

38.1888, 72.7312, 13.8807

43.5719, 74.9710, 38.3151

17.9672, 20.2690, 19.1097

19.0203, 37.5434, 6.2441

1.9119, 3.6864, 0.6108

Inverse Universe

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

54.4331, 29.6120, 97.4545

51.3391, 25.4220, 96.8088

52.5117, 29.6874, 49.2049

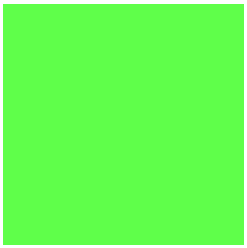
18.5730, 18.1871, 22.7815

25.8081, 12.2150, 50.4321

2.5692, 1.2184, 4.9130

Previews

White Background

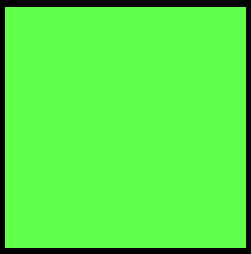


This preview shows how the XYZ color 41.7153, 74.4473, 18.6497 looks on a white background.

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 41.7153, 74.4473, 18.6497 looks on a black background.

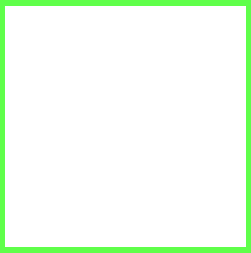
Color Contrast Check

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 41.7153, 74.4473, 18.6497 Background

This preview shows how black text looks on a background with the XYZ color 41.7153, 74.4473, 18.6497.



This preview shows how white text looks on a background with the XYZ color 41.7153, 74.4473,

18.6497.

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

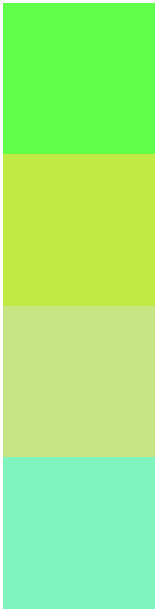
Original Color
41.7153, 74.4473, 18.6497

Protanopia
66.1423, 72.7639, 15.5598

Deuteranopia
72.3175, 72.9804, 44.4575

Tritanopia
60.0112, 73.8081, 105.6912

Trichromacy



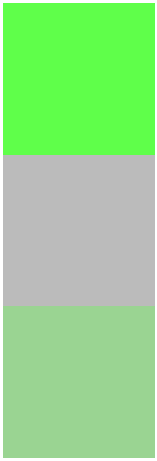
Original Color
41.7153, 74.4473, 18.6497

Protanomaly
52.4585, 70.6004, 16.3312

Deuteranomaly
55.3520, 70.0757, 31.7277

Tritanomaly
50.2884, 72.8875, 59.5623

Monochromacy



Original Color
41.7153, 74.4473, 18.6497

Achromatopsia
47.2335, 49.6933, 54.1160

Achromatomaly
42.0582, 56.0323, 35.7927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7153, 74.4473, 18.6497 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(95, 255, 74) looks like.

```
.text, #text, p{
    color:rgb(95, 255, 74)
}
```

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(95, 255, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 255, 74) }
```

Border

The CSS property to change the border of an element to XYZ 41.7153, 74.4473, 18.6497 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(95, 255, 74) }
```

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

```
.border{ border-color:rgb(95, 255, 74) }
```

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

Here you see how a box with a 4 pixel rgb(95, 255, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(95, 255, 74); -webkit-box-shadow:4px 4px 4px 4px rgb(95, 255, 74); box-shadow:4px 4px 4px 4px rgb(95, 255, 74) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7153, 74.4473, 18.6497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(95, 255, 74) }
```

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

```
.background{ background-color:rgb(95, 255,
74) }
```

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