

Converting Colors

XYZ(41.6517, 74.5364, 13.1389)

Have a look what the booklet for
XYZ(41.6517, 74.5364, 13.1389)
contains.

XYZ(41.6554, 74.5376, 13.1690)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(41.6554, 74.5376,
13.1690)**

Conversions

Conversions Part 1

Format	Color
Hex	68FF1A
RGB	104, 255, 26
RGB Percent	41%, 100%, 10%
CMY	0.5922, 0.0000, 0.8980
CMYK	0.59, 0.00, 0.90, 0.00
HSL	100°, 100%, 55%
HSV	100°, 90%, 100%
XYZ	41.6554, 74.5376, 13.1690
YIQ	183.7450, -16.4870, -103.2310

Conversions

Conversions Part 2

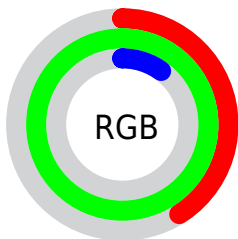
Format	Color
RYB	26, 255, 177
Decimal	6881050
CIELab	89.18, -73.55, 82.43
CIELCh	89, 110.474, 131.742
Yxy	74.5376, 0.3220, 0.5762
Android (android.graphics.Color)	4285071130 (0xFF68FF1A)
YUV	183.7450, -77.7683, -69.9364
Hunter-Lab	86.3352, -64.9630, 51.3909

Details

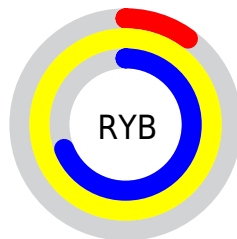
The XYZ color **41.6554, 74.5376, 13.1690** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark washed chartreuse. A complement of this color would be **36.5556, 17.3090, 96.0220**, and the grayscale version is **45.8427, 48.2301, 52.5226**.

A 20% lighter version of the original color is **54.6378, 80.9861, 24.8088**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **39.7106, 73.5563, 12.1197**, and if you desaturate by 10%, it is **44.2285, 75.8153, 15.4951**.

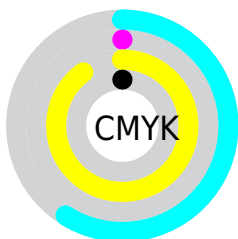
Distribution



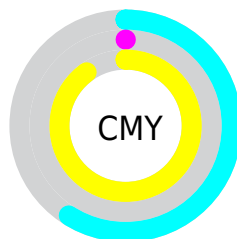
- Red (41%)
- Green (100%)
- Blue (10%)



- Red (10%)
- Yellow (100%)
- Blue (69%)



- Cyan (59%)
- Magenta (0%)
- Yellow (90%)
- Black (0%)




- Cyan (59%)
- Magenta (0%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6554, 74.5376, 13.1690 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 41.6554, 74.5376, 13.1690 by changing the saturation by 10% instead.


 41.6554, 74.5376,
13.1690


 41.6554, 74.5376,
13.1690


344.0684,
476.3267, 223.2437

 29.0215, 55.2342,
7.4129


 76.9463, 125.6576,
32.3027


 19.2414, 39.5892,
3.6393


 100.3339,
158.2429, 46.5174


 11.9499, 27.2184,
1.4296


 128.0369,
196.0244, 64.3887

 6.7815, 17.7373,
0.1647

 160.4205,
239.3863, 86.3352

 3.3710, 10.7616,
0.0000

 197.8501,
288.7131, 112.7754

 1.3528, 5.9067,
0.0000

 240.6910,

 0.2222, 2.7885,

344.3892, 144.1279

0.0000

289.3087,
406.7989, 180.8111

■ 0.0000, 1.0223,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.6554, 74.5376,
13.1690

■ 41.6554, 74.5376,
13.1690

■ 39.7106, 73.5563,
12.1197

■ 44.2285, 75.8153,
15.4951

■ 39.6758, 73.5386,
12.1033

■ 47.5206, 77.4280,
19.4652

■ 51.5959, 79.4037,
25.3128

■ 56.5096, 81.7666,
33.2328

■ 62.3113, 84.5385,
43.3957

■ 69.0465, 87.7397,
55.9543

■ 76.7572, 91.3885,
71.0480

■ 85.4826, 95.5027,
88.8055

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.



60.8199, 74.5376, 5.3329



41.6554, 74.5376, 13.1690



32.1650, 74.5376, 42.9926

Triad

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



41.6554, 74.5376, 13.1690



55.8265, 74.5376, 319.2330



134.6153, 74.5376, 54.5610

Complementary

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



41.6554, 74.5376, 13.1690



36.5556, 17.3090, 96.0220

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.



132.2912, 74.5376, 137.0649



41.6554, 74.5376, 13.1690



81.9170, 74.5376, 330.2311

Square

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



41.6554, 74.5376, 13.1690



38.8014, 74.5376, 225.3838



111.2250, 74.5376, 249.7694



116.9436, 74.5376, 17.0438

Rectangle

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



41.6554, 74.5376, 13.1690



30.6628, 74.5376, 85.7513



111.2250, 74.5376, 249.7694



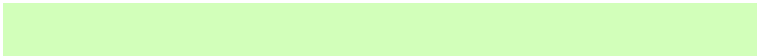
136.2478, 74.5376, 76.7332

Sweetspot

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



41.6556, 74.5377, 13.1702



71.1027, 88.7142, 59.9141



56.7288, 51.9389, 8.0137



14.6837, 18.7348, 11.7950



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.



41.6556, 74.5377, 13.1702



39.6758, 73.5386, 12.1033



37.0118, 72.0700, 16.2861



18.3546, 20.4687, 19.1278



20.8741, 38.4991, 6.3309



2.1439, 3.8060, 0.6216

Inverse Universe

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



36.5556, 17.3090, 96.0220



34.2321, 15.5622, 95.8073



54.6147, 27.2016, 70.5363



18.1567, 17.9725, 22.7620



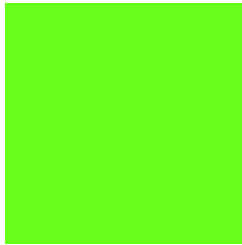
18.0532, 8.2172, 50.0692



1.8748, 0.8604, 4.8805

Previews

White Background



This preview shows how the XYZ color 41.6554, 74.5376, 13.1690 looks on a white background.

Color Contrast Check

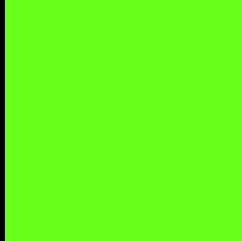
Large Text (above 18pt) WCAG AA × Fail

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 41.6554, 74.5376, 13.1690 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 41.6554, 74.5376, 13.1690

Background



This preview shows how black text looks on a background with the XYZ color 41.6554, 74.5376, 13.1690.



This preview shows how white text looks on a background with the XYZ color 41.6554, 74.5376,

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

41.6554, 74.5376, 13.1690

Protanopia

66.2206, 73.3043, 10.9174

Deuteranopia

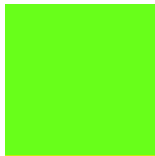
72.1410, 72.9098, 43.5285



Tritanopia

60.7286, 74.1779, 105.7248

Trichromacy



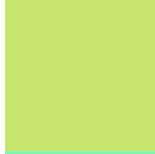
Original Color

41.6554, 74.5376, 13.1690



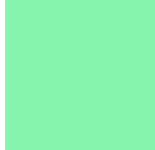
Protanomaly

53.0833, 71.4569, 11.4467



Deuteranomaly

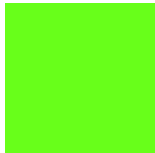
54.9855, 70.0207, 25.6562



Tritanomaly

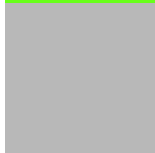
49.4699, 72.6665, 50.4484

Monochromacy



Original Color

41.6554, 74.5376, 13.1690



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

40.3949, 54.5941, 28.4873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6554, 74.5376, 13.1690 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(104, 255, 26)` looks like.

```
.text, #text, p{  
    color:rgb(104, 255, 26)  
}
```

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(104, 255, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 255, 26) }
```

Border

The CSS property to change the border of an element to XYZ 41.6554, 74.5376, 13.1690 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(104, 255, 26) }
```


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

```
.border{ border-color:rgb(104, 255, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 255, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 255, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 255, 26);  
box-shadow:4px 4px 4px 4px rgb(104, 255,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6554, 74.5376, 13.1690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 255, 26) }
```

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

```
.background{ background-color: rgb(104,  
255, 26) }
```

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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