

Converting Colors

XYZ(40.6791, 74.0348, 13.1035)

Have a look what the booklet for
XYZ(40.6791, 74.0348, 13.1035)
contains.

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Color

**XYZ(40.6658, 74.0275,
13.1227)**

Conversions

Conversions Part 1

Format	Color
Hex	5FFF1A
RGB	95, 255, 26
RGB Percent	37%, 100%, 10%
CMY	0.6275, 0.0000, 0.8980
CMYK	0.63, 0.00, 0.90, 0.00
HSL	102°, 100%, 55%
HSV	102°, 90%, 100%
XYZ	40.6658, 74.0275, 13.1227
YIQ	181.0540, -21.8510, -105.1390

Conversions

Conversions Part 2

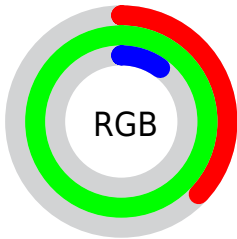
Format	Color
R _Y B	26, 255, 186
Decimal	6291226
CIE Lab	88.94, -75.55, 82.13
CIE LCh	89, 111.593, 132.608
Yxy	74.0275, 0.3182, 0.5792
Android (android.graphics.Color)	4284481306 (0xFF5FFF1A)
YUV	181.0540, -76.4416, -75.4694
Hunter-Lab	86.0392, -66.2020, 51.1846

Details

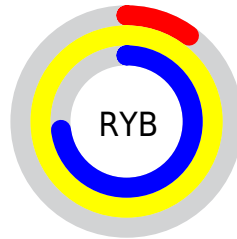
The XYZ color **40.6658, 74.0275, 13.1227** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark washed green. A complement of this color would be **38.6742, 18.4011, 96.1212**, and the grayscale version is **44.3606, 46.6708, 50.8245**.

A 20% lighter version of the original color is **53.1645, 80.2266, 24.7398**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **38.8381, 73.1065, 12.0789**, and if you desaturate by 10%, it is **43.1557, 75.2623, 15.4448**.

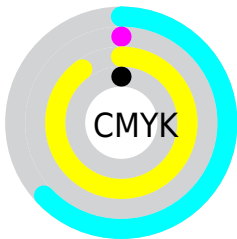
Distribution



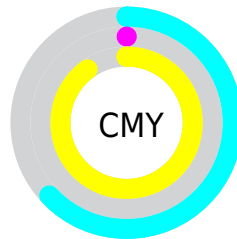
- Red (37%)
- Green (100%)
- Blue (10%)



- Red (10%)
- Yellow (100%)
- Blue (73%)



- Cyan (63%)
- Magenta (0%)
- Yellow (90%)
- Black (0%)





- Cyan (63%)
- Magenta (0%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6658, 74.0275, 13.1227 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 40.6658, 74.0275, 13.1227 by changing the saturation by 10% instead.


 40.6658, 74.0275,
13.1227


 40.6658, 74.0275,
13.1227


340.0084,
474.5683, 222.9379


 28.2446, 54.8165,
7.3814


 75.4542, 124.9348,
32.2185

 18.6515, 39.2549,
3.6197


 98.5521, 157.3999,
46.4100


 11.5212, 26.9581,
1.4191

 125.9396,
195.0519, 64.2553

 6.4884, 17.5417,
0.1566

 157.9820,
238.2751, 86.1730

 3.1878, 10.6215,
0.0000

 195.0448,
287.4540, 112.5815

 1.2538, 5.8129,
0.0000

 237.4932,

 0.1482, 2.7317,

342.9728, 143.8995

0.0000

285.6926,
405.2161, 180.5454

■ 0.0000, 0.9933,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.6658, 74.0275,
13.1227

■ 40.6658, 74.0275,
13.1227

■ 38.8381, 73.1065,
12.0789

■ 43.1557, 75.2623,
15.4448

■ 38.8060, 73.0903,
12.0626

■ 46.4040, 76.8524,
19.4130

■ 50.4792, 78.8280,
25.2606

■ 55.4406, 81.2155,
33.1828

■ 61.3416, 84.0386,
43.3503

■ 68.2310, 87.3192,
55.9161

■ 76.1540, 91.0776,
71.0197

■ 85.1528, 95.3327,
88.7900

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.



59.5944, 74.0275, 5.0846



40.6658, 74.0275, 13.1227



31.4462, 74.0275, 43.7366

Triad

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



40.6658, 74.0275, 13.1227



55.9143, 74.0275, 323.1432



134.4015, 74.0275, 52.2335

Complementary

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



40.6658, 74.0275, 13.1227



38.6742, 18.4011, 96.1212

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.



132.6770, 74.0275, 133.9081



40.6658, 74.0275, 13.1227



82.3519, 74.0275, 331.3425

Square

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



40.6658, 74.0275, 13.1227



38.5703, 74.0275, 229.6027



111.8332, 74.0275, 247.7489



116.0716, 74.0275, 15.9260

Rectangle

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



40.6658, 74.0275, 13.1227



30.1055, 74.0275, 87.5829



111.8332, 74.0275, 247.7489



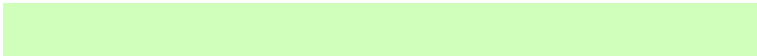
136.2603, 74.0275, 74.0049

Sweetspot

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



40.6660, 74.0276, 13.1238



70.3406, 88.3213, 59.8784



58.2550, 54.9914, 8.5224



14.5068, 18.6436, 11.7867



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.



40.6660, 74.0276, 13.1238



38.8060, 73.0903, 12.0626



37.2298, 72.1572, 17.4342



18.2860, 20.4333, 19.1246



20.4080, 38.2588, 6.3091



2.0919, 3.7792, 0.6192

Inverse Universe

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



38.6742, 18.4011, 96.1212



36.4516, 16.7064, 95.9112



53.6226, 26.8048, 65.3118



18.2287, 18.0096, 22.7654



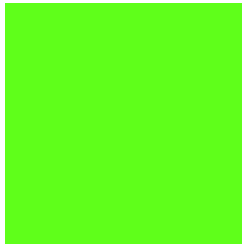
19.2050, 8.8110, 50.1231



1.9806, 0.9150, 4.8855

Previews

White Background



This preview shows how the XYZ color 40.6658, 74.0275, 13.1227 looks on a white background.

Color Contrast Check

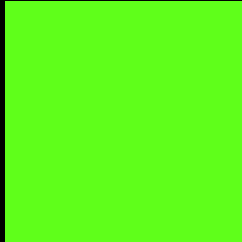
Large Text (above 18pt) WCAG AA × Fail

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 40.6658, 74.0275, 13.1227 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 40.6658, 74.0275, 13.1227

Background



This preview shows how black text looks on a background with the XYZ color 40.6658, 74.0275, 13.1227.

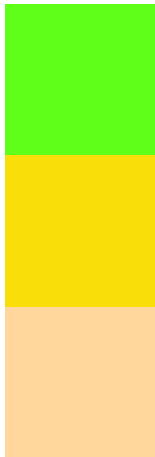


This preview shows how white text looks on a background with the XYZ color 40.6658, 74.0275,

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

40.6658, 74.0275, 13.1227

Protanopia

65.5949, 72.5863, 10.8118

Deuteranopia

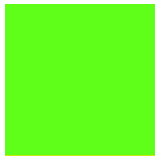
71.6262, 72.2952, 42.0775



Tritanopia

59.6619, 73.6280, 105.6749

Trichromacy



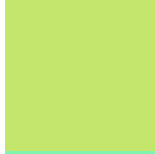
Original Color

40.6658, 74.0275, 13.1227



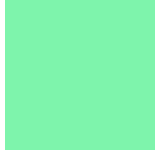
Protanomaly

51.7572, 70.3495, 11.3029



Deuteranomaly

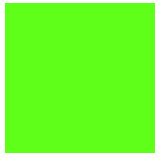
54.0831, 69.5681, 25.0455



Tritanomaly

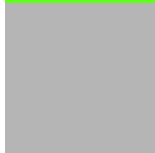
48.4013, 72.1155, 50.3984

Monochromacy



Original Color

40.6658, 74.0275, 13.1227



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

38.8352, 53.0764, 27.6000

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6658, 74.0275, 13.1227 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, 26)` looks like.

```
.text, #text, p{  
    color:rgb(95, 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(95, 255, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 255, 26) }
```

Border

The CSS property to change the border of an element to XYZ 40.6658, 74.0275, 13.1227 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, 26) }
```


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

```
.border{ border-color:rgb(95, 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(95, 255, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 255, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 255, 26);  
box-shadow:4px 4px 4px 4px rgb(95, 255,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6658, 74.0275, 13.1227 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, 26) }
```

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

```
.background{ background-color: rgb(95, 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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