

Converting Colors

XYZ(40.7721, 74.0609, 14.0952)

Have a look what the booklet for
XYZ(40.7721, 74.0609, 14.0952)
contains.

XYZ(40.7423, 74.0462, 14.0645)	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(40.7423, 74.0462,
14.0645)**

Conversions

Conversions Part 1

Format	Color
Hex	5EFF27
RGB	94, 255, 39
RGB Percent	37%, 100%, 15%
CMY	0.6314, 0.0000, 0.8470
CMYK	0.63, 0.00, 0.85, 0.00
HSL	105°, 100%, 58%
HSV	105°, 85%, 100%
XYZ	40.7423, 74.0462, 14.0645
YIQ	182.2370, -26.6200, -101.3080

Conversions

Conversions Part 2

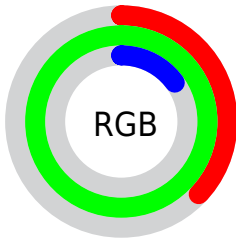
Format	Color
RYB	39, 255, 200
Decimal	6225703
CIELab	88.94, -75.35, 79.84
CIELCh	89, 109.779, 133.343
Yxy	74.0462, 0.3162, 0.5747
Android (android.graphics.Color)	4284415783 (0xFF5EFF27)
YUV	182.2370, -70.6158, -77.3838
Hunter-Lab	86.0501, -66.0730, 50.5444

Details

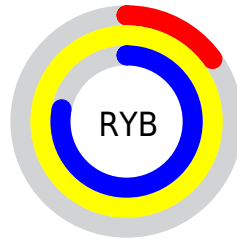
The XYZ color **40.7423, 74.0462, 14.0645** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **42.5991, 20.9532, 96.4069**, and the grayscale version is **44.9770, 47.3193, 51.5307**.

A 20% lighter version of the original color is **53.3141, 80.2629, 26.5923**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **38.7370, 73.0459, 12.4560**, and if you desaturate by 10%, it is **43.5111, 75.4073, 17.1892**.

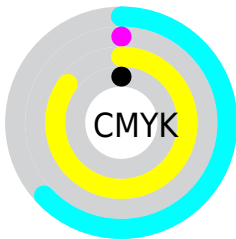
Distribution



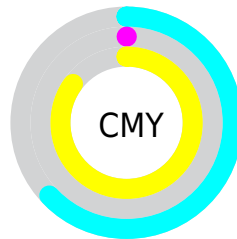
- Red (37%)
- Green (100%)
- Blue (15%)



- Red (15%)
- Yellow (100%)
- Blue (78%)



- Cyan (63%)
- Magenta (0%)
- Yellow (85%)
- Black (0%)





- Cyan (63%)
- Magenta (0%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7423, 74.0462, 14.0645 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 40.7423, 74.0462, 14.0645 by changing the saturation by 10% instead.


 40.7423, 74.0462,
14.0645


 40.7423, 74.0462,
14.0645

340.3234,
474.6328, 229.0741


 28.3046, 54.8319,
8.0263


 75.5697, 124.9613,
33.9222


 18.6970, 39.2671,
4.0238


 98.6901, 157.4308,
48.5788


 11.5542, 26.9676,
1.6384


 126.1021,
195.0876, 66.9452

 6.5110, 17.5489,
0.3180

 158.1710,
238.3159, 89.4400

 3.2018, 10.6266,
0.0000

 195.2623,
287.5002, 116.4818

 1.2613, 5.8163,
0.0000

237.7412,

 0.1540, 2.7337,

343.0248, 148.4890

0.0000

285.9731,
405.2742, 185.8803

■ 0.0000, 0.9944,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.7423, 74.0462,
14.0645

■ 40.7423, 74.0462,
14.0645

■ 38.7370, 73.0459,
12.4560

■ 43.5111, 75.4073,
17.1892

■ 37.9346, 72.6410,
12.0218

■ 47.1242, 77.1652,
22.0866

■ 51.6511, 79.3513,
28.9690

■ 57.1533, 81.9931,
38.0185

■ 63.6865, 85.1161,
49.3963

■ 71.3020, 88.7433,
63.2482

■ 80.0478, 92.8967,
79.7083

■ 89.9686, 97.5965,
98.9009

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.



59.2037, 74.0462, 5.5426



40.7423, 74.0462, 14.0645



31.8177, 74.0462, 45.4502

Triad

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



40.7423, 74.0462, 14.0645



56.6888, 74.0462, 318.7677



132.9359, 74.0462, 51.2784

Complementary

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



40.7423, 74.0462, 14.0645



42.5991, 20.9532, 96.4069

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.



131.7671, 74.0462, 130.4288



40.7423, 74.0462, 14.0645



82.8783, 74.0462, 324.2927

Square

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



40.7423, 74.0462, 14.0645



39.3038, 74.0462, 229.1121



111.7315, 74.0462, 241.3667



114.6081, 74.0462, 16.0229

Rectangle

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



40.7423, 74.0462, 14.0645



30.6178, 74.0462, 89.4865



111.7315, 74.0462, 241.3667



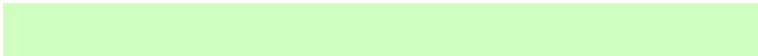
134.9260, 74.0462, 72.3664

Sweetspot

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



40.7425, 74.0462, 14.0656



71.0578, 88.6272, 62.7962



61.6645, 61.5226, 10.5456



14.6120, 18.6857, 12.3429



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.



40.7425, 74.0462, 14.0656



37.9346, 72.6410, 12.0218



38.4177, 72.6798, 21.5456



18.2049, 20.3915, 19.1208



19.9370, 38.0160, 6.2870



2.0370, 3.7508, 0.6166

Inverse Universe

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



42.5991, 20.9532, 96.4069



39.3057, 18.1777, 96.0447



52.9376, 27.1006, 59.9476



18.3147, 18.0539, 22.7694



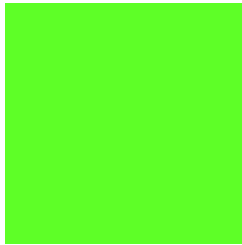
20.6834, 9.5732, 50.1923



2.1147, 0.9841, 4.8918

Previews

White Background



This preview shows how the XYZ color 40.7423, 74.0462, 14.0645 looks on a white background.

Color Contrast Check

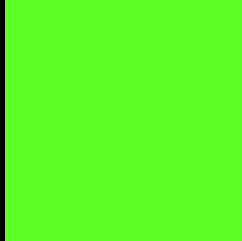
Large Text (above 18pt) WCAG AA × Fail

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 40.7423, 74.0462, 14.0645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

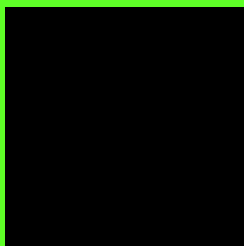
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.7423, 74.0462, 14.0645

Background



This preview shows how black text looks on a background with the XYZ color 40.7423, 74.0462, 14.0645.

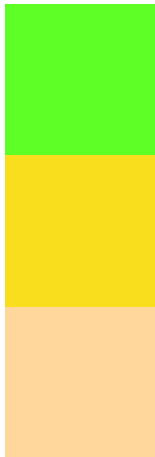


This preview shows how white text looks on a background with the XYZ color 40.7423, 74.0462,

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

40.7423, 74.0462, 14.0645

Protanopia

65.4100, 72.4710, 11.7032

Deuteranopia

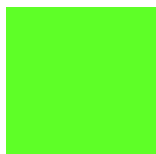
71.6262, 72.2952, 42.0775



Tritanopia

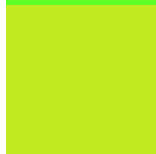
59.6619, 73.6280, 105.6749

Trichromacy



Original Color

40.7423, 74.0462, 14.0645



Protanomaly

51.6897, 70.2929, 12.2824



Deuteranomaly

54.0990, 69.5443, 26.4917



Tritanomaly

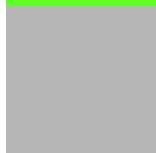
48.6446, 72.1959, 52.4457

Monochromacy



Original Color

40.7423, 74.0462, 14.0645



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

39.4074, 53.6967, 29.4066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7423, 74.0462, 14.0645 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(94, 255, 39)` looks like.

```
.text, #text, p{  
    color:rgb(94, 255, 39)  
}
```

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(94, 255, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 255, 39) }
```

Border

The CSS property to change the border of an element to XYZ 40.7423, 74.0462, 14.0645 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(94, 255, 39) }
```


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

```
.border{ border-color:rgb(94, 255, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 255, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 255, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 255, 39);  
box-shadow:4px 4px 4px 4px rgb(94, 255,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7423, 74.0462, 14.0645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 255, 39) }
```

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

```
.background{ background-color: rgb(94, 255,  
39) }
```

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