

Converting Colors

XYZ(40.7983, 74.1093, 12.5179)

Have a look what the booklet for
XYZ(40.7983, 74.1093, 12.5179)
contains.

XYZ(40.7624, 74.0904, 12.5333)	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(40.7624, 74.0904,
12.5333)**

Conversions

Conversions Part 1

Format	Color
Hex	61FF0D
RGB	97, 255, 13
RGB Percent	38%, 100%, 5%
CMY	0.6196, 0.0000, 0.9489
CMYK	0.62, 0.00, 0.95, 0.00
HSL	99°, 100%, 53%
HSV	99°, 95%, 100%
XYZ	40.7624, 74.0904, 12.5333
YIQ	180.1700, -16.4860, -108.7580

Conversions

Conversions Part 2

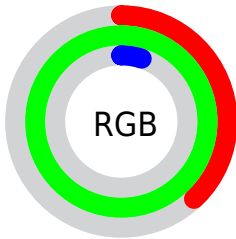
Format	Color
RYB	13, 255, 171
Decimal	6422285
CIELab	88.97, -75.38, 83.69
CIElCh	89, 112.627, 132.010
Yxy	74.0904, 0.3200, 0.5816
Android (android.graphics.Color)	4284612365 (0xFF61FF0D)
YUV	180.1700, -82.4148, -72.9401
Hunter-Lab	86.0758, -66.1014, 51.6200

Details

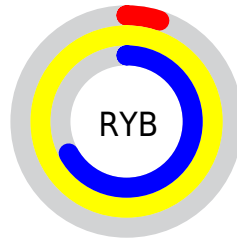
The XYZ color **40.7624, 74.0904, 12.5333** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **34.9966, 16.1706, 95.8845**, and the grayscale version is **43.9116, 46.1985, 50.3101**.

A 20% lighter version of the original color is **53.1812, 80.2570, 23.7546**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **39.8309, 73.6186, 12.1105**, and if you desaturate by 10%, it is **43.0127, 75.2175, 14.1307**.

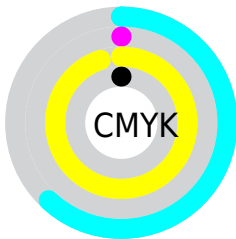
Distribution



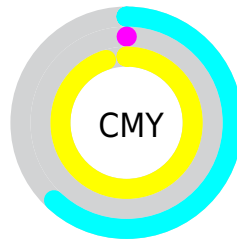
- Red (38%)
- Green (100%)
- Blue (5%)



- Red (5%)
- Yellow (100%)
- Blue (67%)



- Cyan (62%)
- Magenta (0%)
- Yellow (95%)
- Black (0%)





- Cyan (62%)
- Magenta (0%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7624, 74.0904, 12.5333 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 40.7624, 74.0904, 12.5333 by changing the saturation by 10% instead.


 40.7624, 74.0904,
12.5333


 40.7624, 74.0904,
12.5333


340.4062,
474.7853, 219.0064

 28.3203, 54.8680,
6.9810


 75.6001, 125.0239,
31.1415

 18.7090, 39.2961,
3.3720


 98.7264, 157.5039,
45.0346


 11.5629, 26.9901,
1.2876


 126.1448,
195.1719, 62.5450

 6.5169, 17.5658,
0.0516

 158.2207,
238.4122, 84.0914

 3.2055, 10.6387,
0.0000

 195.3194,
287.6093, 110.0921

 1.2633, 5.8245,
0.0000

 237.8063,

 0.1555, 2.7386,

343.1476, 140.9658

0.0000

286.0468,
405.4115, 177.1311

■ 0.0000, 0.9969,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.7624, 74.0904,
12.5333

■ 40.7624, 74.0904,
12.5333

■ 39.8309, 73.6186,
12.1105

■ 43.0127, 75.2175,
14.1307

■ 45.9387, 76.6603,
17.2314

■ 49.6100, 78.4490,
22.0969

■ 54.0849, 80.6091,
28.9387

■ 59.4152, 83.1633,
37.9389

■ 65.6477, 86.1322,
49.2584

■ 72.8257, 89.5349,
63.0431

■ 80.9893, 93.3892,
79.4268

■ 90.1761, 97.7118,
98.5338

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.0349, 74.0904, 4.8329



40.7624, 74.0904, 12.5333



31.3096, 74.0904, 42.5221

Triad

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



40.7624, 74.0904, 12.5333



55.3947, 74.0904, 325.4438



135.4011, 74.0904, 53.2154

Complementary

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



40.7624, 74.0904, 12.5333



34.9966, 16.1706, 95.8845

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.



133.2171, 74.0904, 136.7042



40.7624, 74.0904, 12.5333



81.9402, 74.0904, 335.8598

Square

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



40.7624, 74.0904, 12.5333



38.1266, 74.0904, 229.2838



111.8065, 74.0904, 252.3093



117.1703, 74.0904, 16.0266

Rectangle

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



40.7624, 74.0904, 12.5333



29.8539, 74.0904, 86.0699



111.8065, 74.0904, 252.3093



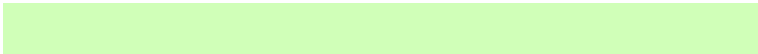
137.1384, 74.0904, 75.5044

Sweetspot

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



40.7626, 74.0905, 12.5344



70.4883, 88.4285, 58.4812



55.7462, 50.1558, 7.1248



14.4269, 18.6142, 11.2509



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.



40.7626, 74.0905, 12.5344



39.8309, 73.6186, 12.1105



36.4879, 71.8304, 14.8839



18.3660, 20.4746, 19.1283



20.9569, 38.5417, 6.3348



2.1529, 3.8106, 0.6221

Inverse Universe

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



34.9966, 16.1706, 95.8845



33.8834, 15.3824, 95.7910



54.1318, 26.6477, 69.1050



18.1449, 17.9664, 22.7615



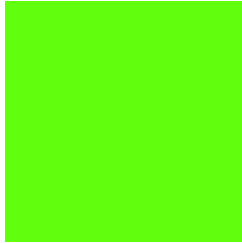
17.8720, 8.1239, 50.0607



1.8580, 0.8518, 4.8797

Previews

White Background



This preview shows how the XYZ color 40.7624, 74.0904, 12.5333 looks on a white background.

Color Contrast Check

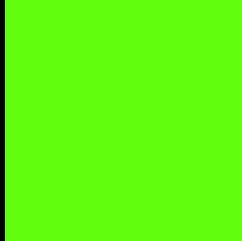
Large Text (above 18pt) WCAG AA × Fail

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 40.7624, 74.0904, 12.5333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

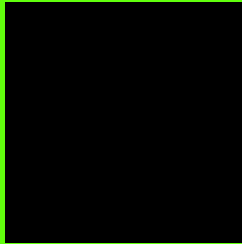
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.7624, 74.0904, 12.5333

Background



This preview shows how black text looks on a background with the XYZ color 40.7624, 74.0904, 12.5333.



This preview shows how white text looks on a background with the XYZ color 40.7624, 74.0904,

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

40.7624, 74.0904, 12.5333

Protanopia

65.5456, 72.5665, 10.5521

Deuteranopia

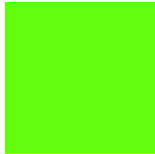
71.6262, 72.2952, 42.0775



Tritanopia

59.5471, 73.1402, 105.5868

Trichromacy



Original Color

40.7624, 74.0904, 12.5333



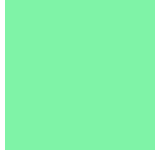
Protanomaly

51.6983, 70.3259, 10.9931



Deuteranomaly

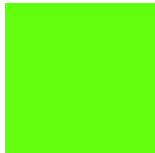
54.1353, 69.6193, 23.9492



Tritanomaly

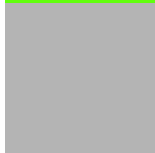
47.7780, 71.4032, 47.8233

Monochromacy



Original Color

40.7624, 74.0904, 12.5333



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

38.2203, 52.4416, 25.5606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7624, 74.0904, 12.5333 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(97, 255, 13)` looks like.

```
.text, #text, p{  
    color:rgb(97, 255, 13)  
}
```

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(97, 255, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 255, 13) }
```

Border

The CSS property to change the border of an element to XYZ 40.7624, 74.0904, 12.5333 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(97, 255, 13) }
```


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

```
.border{ border-color:rgb(97, 255, 13) }
```

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

Here you see how a box with a 4 pixel rgb(97, 255, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 255, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 255, 13);  
box-shadow:4px 4px 4px 4px rgb(97, 255,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7624, 74.0904, 12.5333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 255, 13) }
```

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

```
.background{ background-color: rgb(97, 255,  
13) }
```

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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