

Converting Colors

XYZ(41.0353, 74.2395, 12.1669)

Have a look what the booklet for
XYZ(41.0353, 74.2395, 12.1669)
contains.

XYZ(41.0155, 74.2293, 12.1660)	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(41.0155, 74.2293,
12.1660)**

Conversions

Conversions Part 1

Format	Color
Hex	64FF00
RGB	100, 255, 0
RGB Percent	39%, 100%, 0%
CMY	0.6078, 0.0000, 0.9998
CMYK	0.61, 0.00, 1.00, 0.00
HSL	96°, 100%, 50%
HSV	96°, 100%, 100%
XYZ	41.0155, 74.2293, 12.1660
YIQ	179.5850, -10.5250, -112.1650

Conversions

Conversions Part 2

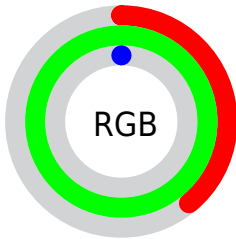
Format	Color
RYB	0, 255, 155
Decimal	6618880
CIELab	89.03, -74.88, 84.76
CIELCh	89, 113.097, 131.459
Yxy	74.2293, 0.3219, 0.5826
Android (android.graphics.Color)	4284808960 (0xFF64FF00)
YUV	179.5850, -88.5354, -69.7960
Hunter-Lab	86.1564, -65.7973, 51.9373

Details

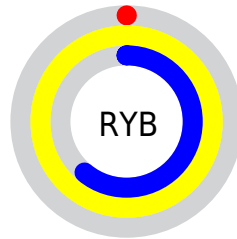
The XYZ color **41.0155, 74.2293, 12.1660** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **31.5760, 14.1936, 95.6831**, and the grayscale version is **43.6261, 45.8980, 49.9829**.

A 20% lighter version of the original color is **53.6721, 80.5258, 23.0701**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **41.0127, 74.2279, 12.1658**, and if you desaturate by 10%, it is **43.0778, 75.2715, 13.2090**.

Distribution



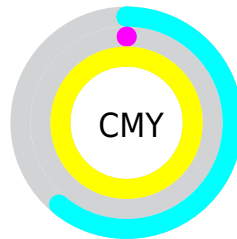
- Red (39%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (61%)



- Cyan (61%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (61%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.0155, 74.2293, 12.1660 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 41.0155, 74.2293, 12.1660 by changing the saturation by 10% instead.


 41.0155, 74.2293,
12.1660


 41.0155, 74.2293,
12.1660


341.4469,
475.2644, 216.5179


 28.5189, 54.9817,
6.7329


 75.9820, 125.2208,
30.4660

 18.8596, 39.3871,
3.2197


 99.1826, 157.7335,
44.1700


 11.6723, 27.0610,
1.2079


 126.6819,
195.4368, 61.4680

 6.5916, 17.6190,
0.0000

 158.8453,
238.7149, 82.7787

 3.2520, 10.6768,
0.0000

 196.0382,
287.9523, 108.5204

 1.2884, 5.8500,
0.0000

 238.6258,

 0.1745, 2.7541,

343.5335, 139.1119

0.0000

286.9736,
405.8427, 174.9715

■ 0.0000, 1.0047,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.0155, 74.2293,
12.1660

■ 41.0155, 74.2293,
12.1660

■ 41.0127, 74.2279,
12.1658

■ 43.0778, 75.2715,
13.2090

■ 45.7192, 76.5850,
15.5095

■ 49.0278, 78.2069,
19.4479

■ 53.0626, 80.1625,
25.2573

■ 57.8745, 82.4738,
33.1328

■ 63.5092, 85.1607,
43.2452

■ 70.0085, 88.2411,
55.7473

■ 77.4106, 91.7321,
70.7787

■ 85.7518, 95.6492,
88.4680

Harmonies

Analogous

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



60.5606, 74.2293, 4.7175



41.0155, 74.2293, 12.1660



31.3575, 74.2293, 41.6002

Triad

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



41.0155, 74.2293, 12.1660



55.0395, 74.2293, 326.1889



136.0980, 74.2293, 54.3165

Complementary

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



41.0155, 74.2293, 12.1660



31.5760, 14.1936, 95.6831

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.



133.4953, 74.2293, 139.1714



41.0155, 74.2293, 12.1660



81.5875, 74.2293, 338.6152

Square

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



41.0155, 74.2293, 12.1660



37.8820, 74.2293, 228.2571



111.6708, 74.2293, 255.7161



118.0613, 74.2293, 16.3056

Rectangle

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



41.0155, 74.2293, 12.1660



29.7958, 74.2293, 84.7409



111.6708, 74.2293, 255.7161



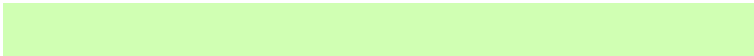
137.7111, 74.2293, 77.0279

Sweetspot

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



41.0157, 74.2294, 12.1671



69.9973, 88.2358, 55.7251



52.6342, 44.0479, 5.7292



14.3728, 18.5977, 10.7352



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.



41.0157, 74.2294, 12.1671



41.0127, 74.2279, 12.1658



35.9418, 71.5928, 12.8748



18.4452, 20.5154, 19.1320



21.5855, 38.8658, 6.3642



2.2201, 3.8452, 0.6252

Inverse Universe

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



31.5760, 14.1936, 95.6831



31.5725, 14.1911, 95.6828



55.4538, 26.9462, 76.7767



18.0629, 17.9242, 22.7576



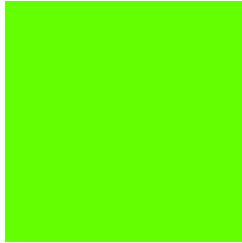
16.6698, 7.5041, 50.0044



1.7458, 0.7939, 4.8745

Previews

White Background



This preview shows how the XYZ color 41.0155, 74.2293, 12.1660 looks on a white background.

Color Contrast Check

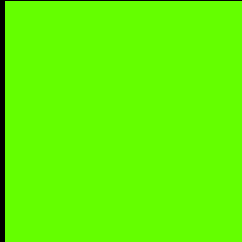
Large Text (above 18pt) WCAG AA × Fail

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 41.0155, 74.2293, 12.1660 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 41.0155, 74.2293, 12.1660

Background



This preview shows how black text looks on a background with the XYZ color 41.0155, 74.2293, 12.1660.



This preview shows how white text looks on a background with the XYZ color 41.0155, 74.2293,

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

41.0155, 74.2293, 12.1660

Protanopia

65.5456, 72.5665, 10.5521

Deuteranopia

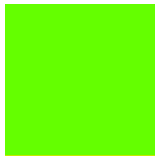
71.9674, 72.8404, 42.6143



Tritanopia

59.8995, 73.3219, 105.6032

Trichromacy



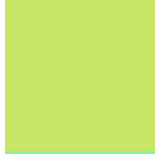
Original Color

41.0155, 74.2293, 12.1660



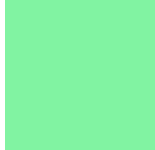
Protanomaly

51.9285, 70.4477, 10.8609



Deuteranomaly

54.1990, 69.6753, 22.9040



Tritanomaly

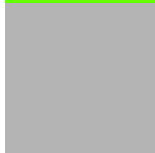
47.6254, 71.3769, 45.4494

Monochromacy



Original Color

41.0155, 74.2293, 12.1660



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

38.1698, 52.4428, 24.3304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.0155, 74.2293, 12.1660 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(100, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(100, 255, 0)  
}
```

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(100, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.0155, 74.2293, 12.1660 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(100, 255, 0) }
```


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

```
.border{ border-color:rgb(100, 255, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(100, 255,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 41.0155, 74.2293, 12.1660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 255, 0) }
```

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

```
.background{ background-color: rgb(100,  
255, 0) }
```

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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