

Converting Colors

XYZ(42.3350, 74.1733, 45.4896)

Have a look what the booklet for
XYZ(42.3350, 74.1733, 45.4896)
contains.

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Color

**XYZ(42.3022, 74.1596,
45.3424)**

Conversions

Conversions Part 1

Format	Color
Hex	0FFFA0
RGB	15, 255, 160
RGB Percent	6%, 100%, 63%
CMY	0.9411, 0.0000, 0.3725
CMYK	0.94, 0.00, 0.37, 0.00
HSL	156°, 100%, 53%
HSV	156°, 94%, 100%
XYZ	42.3022, 74.1596, 45.3424
YIQ	172.4100, -112.5450, -80.4250

Conversions

Conversions Part 2

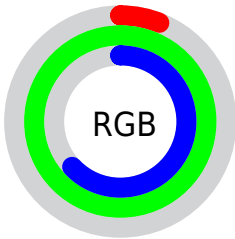
Format	Color
RYB	15, 165, 255
Decimal	1048480
CIELab	89.00, -70.83, 31.68
CIELCh	89, 77.589, 155.903
Yxy	74.1596, 0.2614, 0.4583
Android (android.graphics.Color)	4279238560 (0xFF0FFFA0)
YUV	172.4100, -6.1181, -138.0486
Hunter-Lab	86.1160, -63.0195, 29.0634

Details

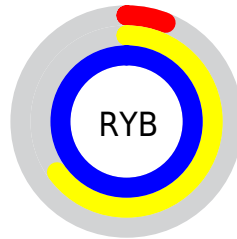
The XYZ color **42.3022, 74.1596, 45.3424** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **44.2268, 22.7286, 16.8140**, and the grayscale version is **39.4948, 41.5516, 45.2497**.

A 20% lighter version of the original color is **55.4970, 80.2778, 76.8602**, and **22.6730, 41.0152, 20.9091** is the 20% darker color. If you saturate the color by 10%, you get **41.5973, 73.8549, 42.6590**, and if you desaturate by 10%, it is **43.9205, 74.8877, 50.2184**.

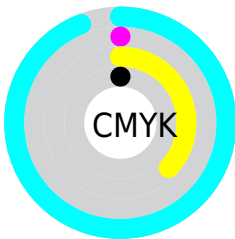
Distribution



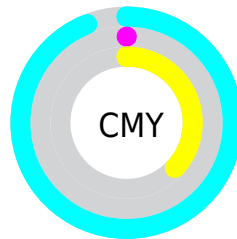
- Red (6%)
- Green (100%)
- Blue (63%)



- Red (6%)
- Yellow (65%)
- Blue (100%)



- Cyan (94%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (94%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3022, 74.1596, 45.3424 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 42.3022, 74.1596, 45.3424 by changing the saturation by 10% instead.

 42.3022, 74.1596,
45.3424


 42.3022, 74.1596,
45.3424


346.7045,
475.0240, 384.3590


 29.5301, 54.9247,
31.3823


 77.9191, 125.1220,
84.5579


 19.6285, 39.3414,
20.6292


 101.4946,
157.6183, 110.6503


 12.2320, 27.0254,
12.6647


 129.4020,
195.3039, 141.6240

 6.9752, 17.5923,
7.0700

 162.0066,
238.5630, 177.8973

 3.4928, 10.6577,
3.4268

 199.6739,
287.7802, 219.8890

 1.4194, 5.8372,
1.3165

242.7690,

 0.2700, 2.7463,

343.3399, 268.0175

0.0752

291.6574,
405.6263, 322.7013

■ 0.0000, 1.0008,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.3022, 74.1596,
45.3424

■ 42.3022, 74.1596,
45.3424


■ 41.5973, 73.8549,
42.6590


■ 43.9205, 74.8877,
50.2184


■ 46.2662, 75.9822,
55.5100


■ 49.4518, 77.5011,
61.2322


■ 53.5693, 79.4915,
67.3971

 58.6976, 81.9941,
74.0163

 64.9075, 85.0450,
81.1007

 72.2626, 88.6770,
88.6605

 80.8218, 92.9203,
96.7058

 90.6398, 97.8028,
105.2460

Harmonies

Analogous

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



51.2933, 74.1596, 22.4661



42.3022, 74.1596, 45.3424



40.2261, 74.1596, 91.9021

Triad

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



42.3022, 74.1596, 45.3424



74.2808, 74.1596, 234.3057



104.1180, 74.1596, 33.8837

Complementary

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



42.3022, 74.1596, 45.3424



44.2268, 22.7286, 16.8140

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.



113.0455, 74.1596, 70.5335



42.3022, 74.1596, 45.3424



93.9542, 74.1596, 197.4214

Square

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



42.3022, 74.1596, 45.3424



56.6970, 74.1596, 217.4403



109.0288, 74.1596, 130.9877



86.3480, 74.1596, 18.2159

Rectangle

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



42.3022, 74.1596, 45.3424



42.6466, 74.1596, 135.1242



109.0288, 74.1596, 130.9877



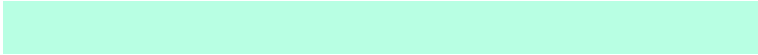
108.3844, 74.1596, 43.3540

Sweetspot

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



42.3028, 74.1599, 45.3437



69.2601, 87.1925, 85.6612



42.4038, 74.9350, 12.6818



14.1567, 18.3332, 17.6414



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.



42.3028, 74.1599, 45.3437



41.5973, 73.8549, 42.6590



46.8240, 64.4749, 104.5848



18.2325, 20.3525, 21.5273



21.8111, 38.6210, 22.6885



2.1775, 3.7819, 2.4927

Inverse Universe

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



44.2268, 22.7286, 16.8140



43.5863, 22.1985, 14.2852



42.0526, 22.7470, 2.6270



18.3072, 18.1062, 20.2348



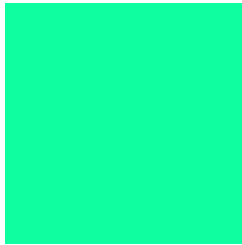
22.8432, 11.6266, 7.8247



2.2762, 1.1528, 1.0357

Previews

White Background



This preview shows how the XYZ color 42.3022, 74.1596, 45.3424 looks on a white background.

Color Contrast Check

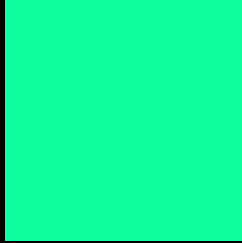
Large Text (above 18pt) WCAG AA × Fail

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 42.3022, 74.1596, 45.3424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

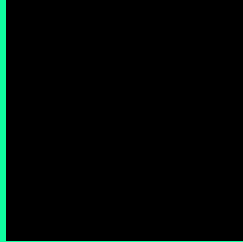
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.3022, 74.1596, 45.3424

Background



This preview shows how black text looks on a background with the XYZ color 42.3022, 74.1596, 45.3424.



This preview shows how white text looks on a background with the XYZ color 42.3022, 74.1596,

Color Blindness Simulation

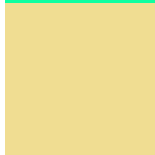
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

42.3022, 74.1596, 45.3424



Protanopia

66.9799, 72.3135, 37.6218



Deuteranopia

73.3224, 72.5675, 52.2619



Tritanopia

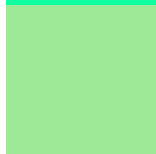
58.1224, 73.6988, 105.7697

Trichromacy



Original Color

42.3022, 74.1596, 45.3424



Protanomaly

48.8254, 67.7813, 39.7879



Deuteranomaly

51.5184, 67.3037, 48.8037



Tritanomaly

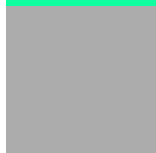
49.5952, 72.5468, 79.0991

Monochromacy



Original Color

42.3022, 74.1596, 45.3424



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

35.2586, 48.7131, 44.5900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3022, 74.1596, 45.3424 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(15, 255, 160)` looks like.

```
.text, #text, p{  
    color:rgb(15, 255, 160)  
}
```

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(15, 255, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 255, 160) }
```

Border

The CSS property to change the border of an element to XYZ 42.3022, 74.1596, 45.3424 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(15, 255, 160) }
```


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

```
.border{ border-color:rgb(15, 255, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 255, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 255, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 255, 160);  
box-shadow:4px 4px 4px 4px rgb(15, 255,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3022, 74.1596, 45.3424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 255, 160) }
```

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

```
.background{ background-color: rgb(15, 255,  
160) }
```

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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