

Converting Colors

XYZ(42.3131, 74.1820, 44.5850)

Have a look what the booklet for
XYZ(42.3131, 74.1820, 44.5850)
contains.

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Color

**XYZ(42.2849, 74.1708,
44.4355)**

Conversions

Conversions Part 1

Format	Color
Hex	17FF9E
RGB	23, 255, 158
RGB Percent	9%, 100%, 62%
CMY	0.9098, 0.0000, 0.3804
CMYK	0.91, 0.00, 0.38, 0.00
HSL	155°, 100%, 55%
HSV	155°, 91%, 100%
XYZ	42.2849, 74.1708, 44.4355
YIQ	174.5740, -107.1350, -79.3510

Conversions

Conversions Part 2

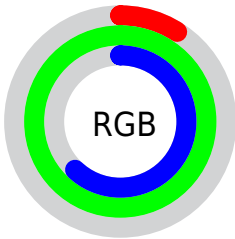
Format	Color
RYB	23, 170, 255
Decimal	1572766
CIELab	89.00, -70.90, 32.69
CIELCh	89, 78.076, 155.248
Yxy	74.1708, 0.2628, 0.4610
Android (android.graphics.Color)	4279762846 (0xFF17FF9E)
YUV	174.5740, -8.1710, -132.9304
Hunter-Lab	86.1225, -63.0734, 29.6946

Details

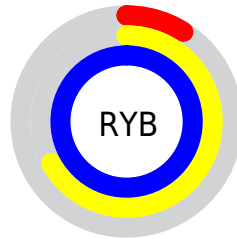
The XYZ color **42.2849, 74.1708, 44.4355** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **44.9375, 23.2296, 19.8880**, and the grayscale version is **40.6097, 42.7246, 46.5271**.

A 20% lighter version of the original color is **55.3780, 80.2460, 75.5211**, and **22.5678, 40.9731, 20.3548** is the 20% darker color. If you saturate the color by 10%, you get **41.1355, 73.6702, 40.2269**, and if you desaturate by 10%, it is **44.1333, 75.0129, 49.5242**.

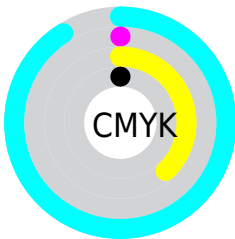
Distribution



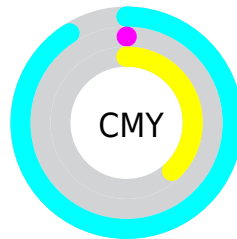
- Red (9%)
- Green (100%)
- Blue (62%)



- Red (9%)
- Yellow (67%)
- Blue (100%)



- Cyan (91%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (91%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2849, 74.1708, 44.4355 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 42.2849, 74.1708, 44.4355 by changing the saturation by 10% instead.

 42.2849, 74.1708,
44.4355


 42.2849, 74.1708,
44.4355


346.6342,
475.0626, 380.5757


 29.5165, 54.9338,
30.6733


 77.8931, 125.1379,
83.1821


 19.6182, 39.3488,
20.0938


 101.4636,
157.6368, 109.0036


 12.2244, 27.0311,
12.2785


 129.3656,
195.3252, 139.6820

 6.9700, 17.5966,
6.8088

 161.9643,
238.5874, 175.6358

 3.4895, 10.6608,
3.2662

 199.6252,
287.8079, 217.2835

 1.4176, 5.8392,
1.2321

242.7135,

 0.2687, 2.7476,

343.3710, 265.0437

0.0052

291.5947,
405.6611, 319.3349

■ 0.0000, 1.0014,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.2849, 74.1708,
44.4355

■ 42.2849, 74.1708,
44.4355

■ 41.1355, 73.6702,
40.2269

■ 44.1333, 75.0129,
49.5242

■ 46.7548, 76.2443,
55.0736

■ 50.2549, 77.9189,
61.0998

■ 54.7209, 80.0816,
67.6162

60.2295, 82.7717,
74.6357

66.8489, 86.0242,
82.1703

74.6417, 89.8712,
90.2316

83.6655, 94.3422,
98.8306

93.9741, 99.4646,
107.9782

Harmonies

Analogous

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



51.4688, 74.1708, 21.9543



42.2849, 74.1708, 44.4355



40.0503, 74.1708, 90.6974

Triad

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



42.2849, 74.1708, 44.4355



73.8868, 74.1708, 235.8874



104.6864, 74.1708, 34.2224

Complementary

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



42.2849, 74.1708, 44.4355



44.9375, 23.2296, 19.8880

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.



113.4258, 74.1708, 71.5752



42.2849, 74.1708, 44.4355



93.7177, 74.1708, 199.6704

Square

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



42.2849, 74.1708, 44.4355



56.2984, 74.1708, 217.6578



109.0898, 74.1708, 132.8823



86.9025, 74.1708, 18.1833

Rectangle

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



42.2849, 74.1708, 44.4355



42.3797, 74.1708, 134.0261



109.0898, 74.1708, 132.8823



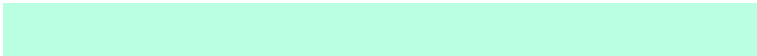
108.9117, 74.1708, 43.8883

Sweetspot

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



42.2854, 74.1710, 44.4368



69.8028, 87.4806, 85.3111



44.1608, 75.8329, 13.1210



14.3952, 18.4555, 17.6816



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.



42.2854, 74.1710, 44.4368



41.1355, 73.6702, 40.2269



49.4268, 69.4486, 105.4076



18.2148, 20.3455, 21.4344



21.5704, 38.5247, 21.4206



2.1548, 3.7728, 2.3728

Inverse Universe

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



44.9375, 23.2296, 19.8880



43.8739, 22.3135, 15.7997



42.1033, 22.7390, 2.9813



18.3244, 18.1131, 20.3254



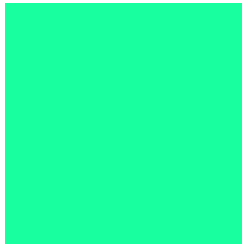
22.9954, 11.6875, 8.6265



2.2920, 1.1592, 1.1190

Previews

White Background



This preview shows how the XYZ color 42.2849, 74.1708, 44.4355 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 42.2849, 74.1708, 44.4355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

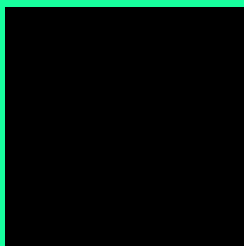
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.2849, 74.1708, 44.4355

Background



This preview shows how black text looks on a background with the XYZ color 42.2849, 74.1708, 44.4355.



This preview shows how white text looks on a background with the XYZ color 42.2849, 74.1708,

Color Blindness Simulation

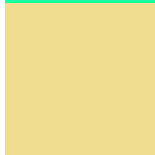
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

42.2849, 74.1708, 44.4355



Protanopia

66.8257, 72.2518, 36.8095



Deuteranopia

73.2224, 72.5275, 51.7349



Tritanopia

58.1224, 73.6988, 105.7697

Trichromacy



Original Color

42.2849, 74.1708, 44.4355



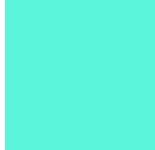
Protanomaly

49.2617, 68.0248, 38.9675



Deuteranomaly

52.0696, 67.5988, 48.3337



Tritanomaly

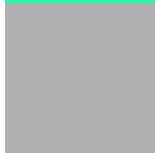
49.8851, 72.6963, 79.1127

Monochromacy



Original Color

42.2849, 74.1708, 44.4355



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

36.5000, 50.0434, 45.2717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2849, 74.1708, 44.4355 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(23, 255, 158)` looks like.

```
.text, #text, p{  
    color:rgb(23, 255, 158)  
}
```

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(23, 255, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 255, 158) }
```

Border

The CSS property to change the border of an element to XYZ 42.2849, 74.1708, 44.4355 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(23, 255, 158) }
```


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

```
.border{ border-color:rgb(23, 255, 158) }
```

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

Here you see how a box with a 4 pixel rgb(23, 255, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 255, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 255, 158);  
box-shadow:4px 4px 4px 4px rgb(23, 255,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2849, 74.1708, 44.4355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 255, 158) }
```

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

```
.background{ background-color: rgb(23, 255,  
158) }
```

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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