

Converting Colors

XYZ(52.5973, 93.1292, 52.3210)

Have a look what the booklet for
XYZ(52.5973, 93.1292, 52.3210)
contains.

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Color

**XYZ(43.3346, 74.6084,
49.1627)**

Conversions

Conversions Part 1

Format	Color
Hex	1DFFA8
RGB	29, 255, 168
RGB Percent	11%, 100%, 66%
CMY	0.8862, 0.0000, 0.3412
CMYK	0.89, 0.00, 0.34, 0.00
HSL	157°, 100%, 56%
HSV	157°, 89%, 100%
XYZ	43.3346, 74.6084, 49.1627
YIQ	177.5080, -106.7690, -74.9690

Conversions

Conversions Part 2

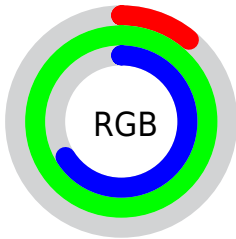
Format	Color
R _{YB}	29, 169, 255
Decimal	1965992
CIE Lab	89.21, -68.66, 27.96
CIE LCh	89, 74.134, 157.841
Yxy	74.6084, 0.2593, 0.4465
Android (android.graphics.Color)	4280156072 (0xFF1DFFA8)
YUV	177.5080, -4.6874, -130.2415
Hunter-Lab	86.3762, -61.6055, 26.7172

Details

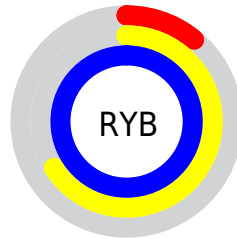
The XYZ color **43.3346, 74.6084, 49.1627** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **44.8327, 23.4006, 18.6800**, and the grayscale version is **42.1232, 44.3169, 48.2611**.

A 20% lighter version of the original color is **57.0997, 80.9668, 83.1397**, and **23.0608, 41.1703, 22.9509** is the 20% darker color. If you saturate the color by 10%, you get **41.9916, 74.0177, 44.5054**, and if you desaturate by 10%, it is **45.3268, 75.5256, 54.2133**.

Distribution



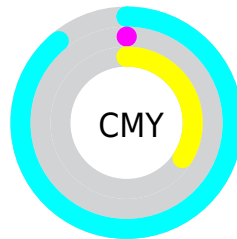
- Red (11%)
- Green (100%)
- Blue (66%)



- Red (11%)
- Yellow (66%)
- Blue (100%)



- Cyan (89%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)





- Cyan (89%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.3346, 74.6084, 49.1627 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 43.3346, 74.6084, 49.1627 by changing the saturation by 10% instead.


 43.3346, 74.6084,
49.1627


 43.3346, 74.6084,
49.1627


350.8842,
476.5705, 400.0233


 30.3434, 55.2921,
34.3820


 79.4681, 125.7579,
90.3165


 20.2487, 39.6357,
22.9075


 103.3411,
158.3599, 117.5268


 12.6853, 27.2546,
14.3206


 131.5721,
196.1593, 149.7174

 7.2877, 17.7645,
8.2027

 164.5264,
239.5404, 187.3067

 3.6906, 10.7811,
4.1353

 202.5695,
288.8877, 230.7135

 1.5286, 5.9198,
1.6998

246.0665,

 0.3452, 2.7964,

344.5856, 280.3562

0.3606

295.3830,
407.0184, 336.6533

■ 0.0000, 1.0264,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.3346, 74.6084,
49.1627

■ 43.3346, 74.6084,
49.1627

■ 41.9916, 74.0177,
44.5054

■ 45.3268, 75.5256,
54.2133

■ 41.8316, 73.9486,
43.8926

■ 48.1073, 76.8412,
59.6677

■ 51.7762, 78.6064,
65.5393

■ 56.4175, 80.8645,
71.8391

■ 62.1054, 83.6534,
78.5776

■ 68.9062, 87.0074,
85.7649

■ 76.8808, 90.9575,
93.4103

■ 86.0855, 95.5326,
101.5230

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.



51.6461, 74.6084, 25.2352



43.3346, 74.6084, 49.1627



41.7391, 74.6084, 95.5960

Triad

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



43.3346, 74.6084, 49.1627



75.7643, 74.6084, 225.2425



102.0753, 74.6084, 34.1729

Complementary

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



43.3346, 74.6084, 49.1627



44.8327, 23.4006, 18.6800

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.



111.2457, 74.6084, 68.3910



43.3346, 74.6084, 49.1627



94.4593, 74.6084, 188.0074

Square

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



43.3346, 74.6084, 49.1627



58.5881, 74.6084, 212.7986



108.2443, 74.6084, 124.8903



84.8555, 74.6084, 19.5016

Rectangle

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



43.3346, 74.6084, 49.1627



44.3924, 74.6084, 137.1944



108.2443, 74.6084, 124.8903



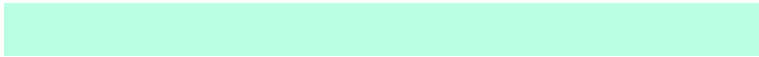
106.3241, 74.6084, 43.0338

Sweetspot

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



43.3352, 74.6087, 49.1640



70.1186, 87.6069, 86.9738



43.6458, 75.5596, 13.4473



14.4698, 18.4853, 18.0744



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.



43.3352, 74.6087, 49.1640



41.8316, 73.9486, 43.8926



47.5268, 65.4208, 104.7303



18.2411, 20.3560, 21.5728



21.9331, 38.6699, 23.3310



2.1890, 3.7865, 2.5531

Inverse Universe

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



44.8327, 23.4006, 18.6800



43.4525, 22.1450, 13.5807



42.6727, 23.7702, 3.5023



18.2988, 18.1028, 20.1905



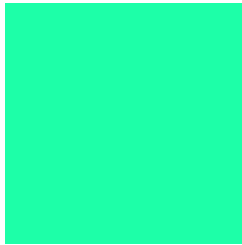
22.7722, 11.5982, 7.4509



2.2687, 1.1499, 0.9964

Previews

White Background



This preview shows how the XYZ color 43.3346, 74.6084, 49.1627 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 43.3346, 74.6084, 49.1627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

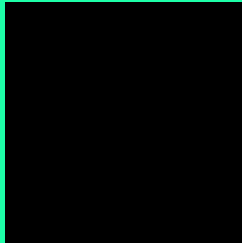
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

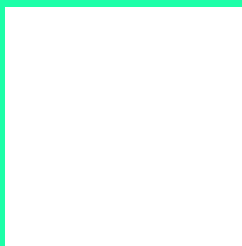
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.3346, 74.6084, 49.1627

Background



This preview shows how black text looks on a background with the XYZ color 43.3346, 74.6084, 49.1627.

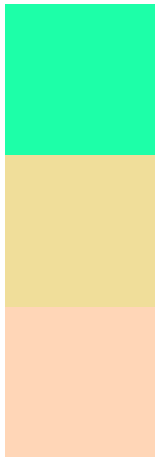


This preview shows how white text looks on a background with the XYZ color 43.3346, 74.6084,

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

43.3346, 74.6084, 49.1627

Protanopia

67.8892, 73.1009, 41.1036

Deuteranopia

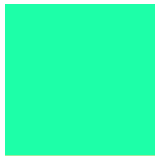
73.8338, 72.7720, 54.9547



Tritanopia

58.5894, 73.9395, 105.7915

Trichromacy



Original Color

43.3346, 74.6084, 49.1627



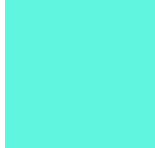
Protanomaly

50.7851, 69.1354, 43.4687



Deuteranomaly

53.2888, 68.1372, 52.4627



Tritanomaly

50.6910, 73.0654, 81.2434

Monochromacy



Original Color

43.3346, 74.6084, 49.1627



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

38.0235, 51.4837, 47.9777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.3346, 74.6084, 49.1627 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(29, 255, 168)` looks like.

```
.text, #text, p{  
    color:rgb(29, 255, 168)  
}
```

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(29, 255, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 255, 168) }
```

Border

The CSS property to change the border of an element to XYZ 43.3346, 74.6084, 49.1627 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(29, 255, 168) }
```


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

```
.border{ border-color:rgb(29, 255, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 255, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 255, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 255, 168);  
box-shadow:4px 4px 4px 4px rgb(29, 255,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 43.3346, 74.6084, 49.1627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 255, 168) }
```

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

```
.background{ background-color: rgb(29, 255,  
168) }
```

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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