

Converting Colors

XYZ(42.3652, 74.1906, 45.4146)

Have a look what the booklet for
XYZ(42.3652, 74.1906, 45.4146)
contains.

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Color

**XYZ(42.3546, 74.1867,
45.3448)**

Conversions

Conversions Part 1

Format	Color
Hex	12FFA0
RGB	18, 255, 160
RGB Percent	7%, 100%, 63%
CMY	0.9293, 0.0000, 0.3725
CMYK	0.93, 0.00, 0.37, 0.00
HSL	156°, 100%, 54%
HSV	156°, 93%, 100%
XYZ	42.3546, 74.1867, 45.3448
YIQ	173.3070, -110.7570, -79.7890

Conversions

Conversions Part 2

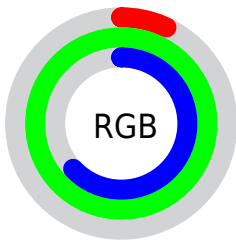
Format	Color
R_{YB}	18, 166, 255
Decimal	1245088
CIE _{Lab}	89.01, -70.73, 31.70
CIE _{LCh}	89, 77.504, 155.859
Yxy	74.1867, 0.2616, 0.4583
Android (android.graphics.Color)	4279435168 (0xFF12FFA0)
YUV	173.3070, -6.5604, -136.2042
Hunter-Lab	86.1317, -62.9545, 29.0784

Details

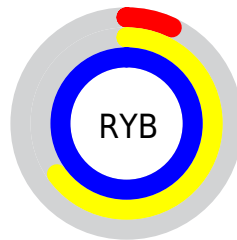
The XYZ color **42.3546, 74.1867, 45.3448** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **44.4379, 22.8857, 17.7019**, and the grayscale version is **39.9523, 42.0329, 45.7739**.

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 **41.4917, 73.8127, 42.1026**, and if you desaturate by 10%, it is **44.0550, 74.9556, 50.2876**.

Distribution



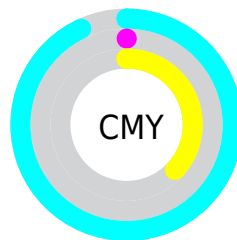
- Red (7%)
- Green (100%)
- Blue (63%)



- Red (7%)
- Yellow (65%)
- Blue (100%)



- Cyan (93%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (93%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3546, 74.1867, 45.3448 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 42.3546, 74.1867, 45.3448 by changing the saturation by 10% instead.


 42.3546, 74.1867,
45.3448


 42.3546, 74.1867,
45.3448


346.9175,
475.1175, 384.3690


 29.5714, 54.9469,
31.3842


 77.9978, 125.1604,
84.5615


 19.6599, 39.3592,
20.6306


 101.5885,
157.6631, 110.6547


 12.2549, 27.0393,
12.6657


 129.5124,
195.3555, 141.6291

 6.9910, 17.6027,
7.0707

 162.1349,
238.6221, 177.9033

 3.5027, 10.6651,
3.4273

 199.8213,
287.8472, 219.8959

 1.4249, 5.8421,
1.3167

242.9369,

 0.2738, 2.7493,

343.4152, 268.0253

0.0754

291.8472,
405.7105, 322.7102

■ 0.0000, 1.0023,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.3546, 74.1867,
45.3448

■ 42.3546, 74.1867,
45.3448

■ 41.4917, 73.8127,
42.1026

■ 44.0550, 74.9556,
50.2876

■ 46.4992, 76.0993,
55.6567

■ 49.7967, 77.6741,
61.4671

■ 54.0376, 79.7261,
67.7313

■ 59.3001, 82.2955,
74.4610

■ 65.6538, 85.4180,
81.6673

■ 73.1619, 89.1261,
89.3607

■ 81.8828, 93.4496,
97.5516

■ 91.8706, 98.4164,
106.2496

Harmonies

Analogous

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



51.3513, 74.1867, 22.4984



42.3546, 74.1867, 45.3448



40.2692, 74.1867, 91.8351

Triad

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



42.3546, 74.1867, 45.3448



74.2746, 74.1867, 234.1507



104.1305, 74.1867, 33.9741

Complementary

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



42.3546, 74.1867, 45.3448



44.4379, 22.8857, 17.7019

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.



113.0302, 74.1867, 70.6437



42.3546, 74.1867, 45.3448



93.9297, 74.1867, 197.3914

Square

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



42.3546, 74.1867, 45.3448



56.7114, 74.1867, 217.2322



108.9993, 74.1867, 131.0643



86.3879, 74.1867, 18.2777

Rectangle

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



42.3546, 74.1867, 45.3448



42.6821, 74.1867, 134.9942



108.9993, 74.1867, 131.0643



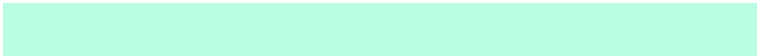
108.3869, 74.1867, 43.4539

Sweetspot

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



42.3551, 74.1869, 45.3461



69.2110, 87.1728, 85.4024



43.1731, 75.3290, 12.8374



14.1449, 18.3284, 17.5791



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.



42.3551, 74.1869, 45.3461



41.4917, 73.8127, 42.1026



48.0801, 66.9094, 104.9885



18.2285, 20.3509, 21.5064



21.7561, 38.5990, 22.3986



2.1723, 3.7799, 2.4654

Inverse Universe

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



44.4379, 22.8857, 17.7019



43.6492, 22.2237, 14.6165



42.0349, 22.6749, 2.7342



18.3110, 18.1077, 20.2551



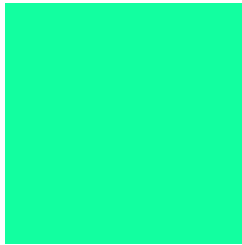
22.8765, 11.6399, 8.0002



2.2796, 1.1542, 1.0540

Previews

White Background



This preview shows how the XYZ color 42.3546, 74.1867, 45.3448 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 42.3546, 74.1867, 45.3448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

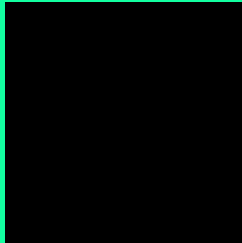
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

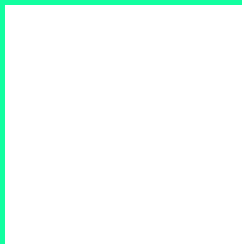
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.3546, 74.1867, 45.3448

Background



This preview shows how black text looks on a background with the XYZ color 42.3546, 74.1867, 45.3448.



This preview shows how white text looks on a background with the XYZ color 42.3546, 74.1867,

Color Blindness Simulation

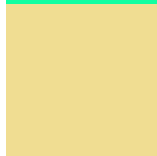
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

42.3546, 74.1867, 45.3448



Protanopia

66.9799, 72.3135, 37.6218



Deuteranopia

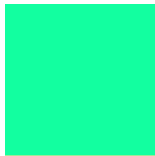
73.3224, 72.5675, 52.2619



Tritanopia

58.1224, 73.6988, 105.7697

Trichromacy



Original Color

42.3546, 74.1867, 45.3448



Protanomaly

49.0229, 67.8831, 39.7971



Deuteranomaly

51.7322, 67.4139, 48.8137



Tritanomaly

49.6905, 72.5960, 79.1036

Monochromacy



Original Color

42.3546, 74.1867, 45.3448



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

35.7599, 49.3209, 44.6809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3546, 74.1867, 45.3448 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(18, 255, 160)` looks like.

```
.text, #text, p{  
    color:rgb(18, 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(18, 255, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 255, 160) }
```

Border

The CSS property to change the border of an element to XYZ 42.3546, 74.1867, 45.3448 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(18, 255, 160) }
```


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

```
.border{ border-color:rgb(18, 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(18, 255, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 255, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 255, 160);  
box-shadow:4px 4px 4px 4px rgb(18, 255,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3546, 74.1867, 45.3448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 255, 160) }
```

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

```
.background{ background-color: rgb(18, 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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