

Converting Colors

XYZ(44.7396, 74.4626, 53.0458)

Have a look what the booklet for
XYZ(44.7396, 74.4626, 53.0458)
contains.

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Color

**XYZ(44.6491, 74.2550,
53.0537)**

Conversions

Conversions Part 1

Format	Color
Hex	39FDB0
RGB	57, 253, 176
RGB Percent	22%, 99%, 69%
CMY	0.7764, 0.0078, 0.3098
CMYK	0.77, 0.00, 0.30, 0.01
HSL	156°, 98%, 61%
HSV	156°, 77%, 99%
XYZ	44.6491, 74.2550, 53.0537
YIQ	185.6180, -92.0990, -65.4990

Conversions

Conversions Part 2

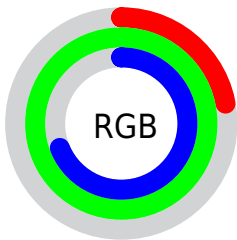
Format	Color
RYB	57, 179, 253
Decimal	3800496
CIELab	89.04, -64.09, 23.73
CIELCh	89, 68.340, 159.683
Yxy	74.2550, 0.2597, 0.4318
Android (android.graphics.Color)	4281990576 (0xFF39FDB0)
YUV	185.6180, -4.7417, -112.7980
Hunter-Lab	86.1713, -58.3113, 23.8165

Details

The XYZ color **44.6491, 74.2550, 53.0537** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **46.2767, 25.5319, 25.0466**, and the grayscale version is **46.5232, 48.9460, 53.3022**.

A 20% lighter version of the original color is **59.9984, 82.3327, 89.0735**, and **23.0903, 40.4603, 25.3315** is the 20% darker color. If you saturate the color by 10%, you get **42.6019, 73.3111, 48.0116**, and if you desaturate by 10%, it is **47.4899, 75.6036, 58.5122**.

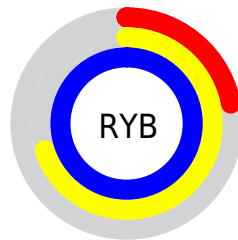
Distribution



Red (22%)

Green (99%)

Blue (69%)



Red (22%)

Yellow (70%)

Blue (99%)

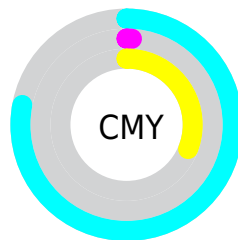


Cyan (77%)

Magenta (0%)

Yellow (30%)

Black (1%)



Cyan (78%)


Magenta (1%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.6491, 74.2550, 53.0537 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 44.6491, 74.2550, 53.0537 by changing the saturation by 10% instead.


 44.6491, 74.2550,
53.0537


 44.6491, 74.2550,
53.0537


356.1582,
475.3530, 415.5632


 31.3812, 55.0028,
37.4576


 81.4339, 125.2572,
96.1257


 21.0426, 39.4039,
25.2634


 105.6816,
157.7760, 124.4388

 13.2678, 27.0741,
16.0526


 134.3198,
195.4858, 157.8279

 7.6915, 17.6289,
9.4066

 167.7141,
238.7709, 196.7116

 3.9483, 10.6839,
4.9069

206.2297,
288.0158, 241.5084

 1.6729, 5.8547,
2.1350

250.2320,

 0.4392, 2.7569,

343.6048, 292.6370

0.6365

300.0864,
405.9224, 350.5157

■ 0.0000, 1.0062,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.6491, 74.2550,
53.0537

■ 44.6491, 74.2550,
53.0537

■ 42.6019, 73.3111,
48.0116

■ 47.4899, 75.6036,
58.5122

■ 41.2179, 72.6990,
43.3669

■ 51.2138, 77.3970,
64.3941

■ 40.9266, 72.5732,
42.2510

■ 55.9040, 79.6799,
70.7125

■ 61.6322, 82.4890,
77.4780

■ 68.4629, 85.8577,
84.7008

■ 76.4555, 89.8161,
92.3906

■ 85.6648, 94.3924,
100.5567

■ 94.4166, 98.7332,
108.6889

Harmonies

Analogous

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



52.0741, 74.2550, 28.8885



44.6491, 74.2550, 53.0537



43.5289, 74.2550, 97.2432

Triad

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



44.6491, 74.2550, 53.0537



76.0901, 74.2550, 208.7945



98.1395, 74.2550, 35.3588

Complementary

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



44.6491, 74.2550, 53.0537



46.2767, 25.5319, 25.0466

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.



106.9999, 74.2550, 66.4130



44.6491, 74.2550, 53.0537



93.0138, 74.2550, 173.7240

Square

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



44.6491, 74.2550, 53.0537



60.0521, 74.2550, 200.6392



104.9896, 74.2550, 116.9758



82.2652, 74.2550, 21.8096

Rectangle

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



44.6491, 74.2550, 53.0537



46.2941, 74.2550, 135.1718



104.9896, 74.2550, 116.9758



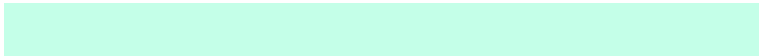
102.1419, 74.2550, 43.4689

Sweetspot

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



44.6511, 74.2580, 53.0554



73.1756, 89.1266, 89.6591



45.9224, 75.7333, 16.0695



15.0552, 18.7762, 18.5939



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.



44.6511, 74.2580, 53.0554



42.5132, 74.2498, 46.1944



48.6716, 66.4693, 103.1966



18.2349, 20.3535, 21.5398



21.8443, 38.6343, 22.8634



2.1807, 3.7832, 2.5092

Inverse Universe

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



46.2767, 25.5319, 25.0466



44.3242, 22.8359, 17.1162



43.8747, 26.4318, 6.6612



18.3049, 18.1053, 20.2226



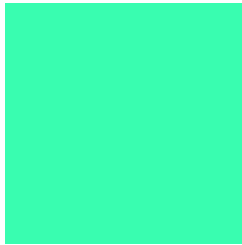
22.8235, 11.6187, 7.7209



2.2741, 1.1520, 1.0248

Previews

White Background



This preview shows how the XYZ color 44.6491, 74.2550, 53.0537 looks on a white background.

Color Contrast Check

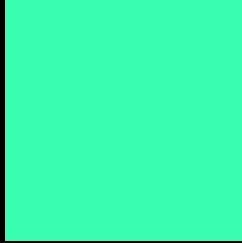
Large Text (above 18pt) WCAG AA × Fail

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 44.6491, 74.2550, 53.0537 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 44.6491, 74.2550, 53.0537

Background



This preview shows how black text looks on a background with the XYZ color 44.6491, 74.2550, 53.0537.

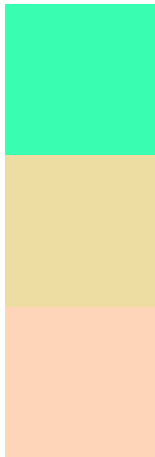


This preview shows how white text looks on a background with the XYZ color 44.6491, 74.2550,

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

44.6491, 74.2550, 53.0537

Protanopia

67.6379, 72.4987, 44.6112

Deuteranopia

73.8972, 72.3937, 56.5329



Tritanopia

58.5894, 73.9395, 105.7915

Trichromacy



Original Color

44.6491, 74.2550, 53.0537



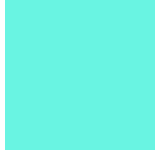
Protanomaly

53.1272, 69.8385, 47.2393



Deuteranomaly

55.7153, 68.9315, 54.6246



Tritanomaly

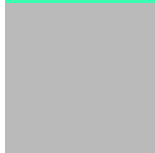
51.9038, 73.1956, 83.3441

Monochromacy



Original Color

44.6491, 74.2550, 53.0537



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

42.1376, 54.9596, 52.6433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.6491, 74.2550, 53.0537 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(57, 253, 176)` looks like.

```
.text, #text, p{  
    color:rgb(57, 253, 176)  
}
```

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(57, 253, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 253, 176) }
```

Border

The CSS property to change the border of an element to XYZ 44.6491, 74.2550, 53.0537 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(57, 253, 176) }
```


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

```
.border{ border-color:rgb(57, 253, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 253, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 253, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 253, 176);  
box-shadow:4px 4px 4px 4px rgb(57, 253,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 44.6491, 74.2550, 53.0537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 253, 176) }
```

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

```
.background{ background-color: rgb(57, 253,  
176) }
```

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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