

Converting Colors

XYZ(47.3688, 76.5876, 53.8938)

Have a look what the booklet for
XYZ(47.3688, 76.5876, 53.8938)
contains.

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Color

**XYZ(47.3520, 76.5791,
53.8805)**

Conversions

Conversions Part 1

Format	Color
Hex	54FFB1
RGB	84, 255, 177
RGB Percent	33%, 100%, 69%
CMY	0.6706, 0.0000, 0.3059
CMYK	0.67, 0.00, 0.31, 0.00
HSL	153°, 100%, 66%
HSV	153°, 67%, 100%
XYZ	47.3520, 76.5791, 53.8805
YIQ	194.9790, -76.8780, -60.5100

Conversions

Conversions Part 2

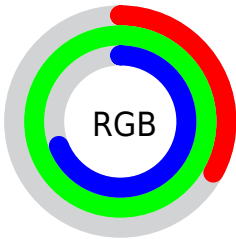
Format	Color
RYB	84, 195, 255
Decimal	5570481
CIELab	90.13, -61.07, 24.79
CIELCh	90, 65.912, 157.911
Yxy	76.5791, 0.2663, 0.4307
Android (android.graphics.Color)	4283760561 (0xFF54FFB1)
YUV	194.9790, -8.8636, -97.3286
Hunter-Lab	87.5095, -56.5540, 24.7512

Details

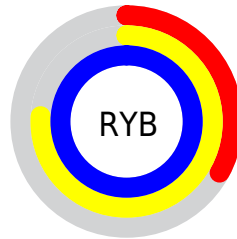
The XYZ color **47.3520, 76.5791, 53.8805** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **50.9326, 30.2102, 37.3304**, and the grayscale version is **51.9437, 54.6488, 59.5126**.

A 20% lighter version of the original color is **63.2305, 83.9825, 89.9684**, and **23.6043, 41.3877, 25.8133** is the 20% darker color. If you saturate the color by 10%, you get **44.3598, 75.1649, 47.9448**, and if you desaturate by 10%, it is **51.2746, 78.4616, 60.3782**.

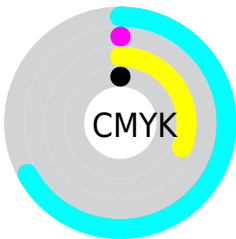
Distribution



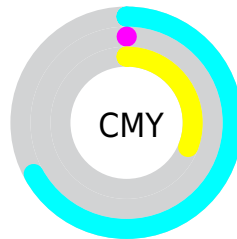
- Red (33%)
- Green (100%)
- Blue (69%)



- Red (33%)
- Yellow (76%)
- Blue (100%)



- Cyan (67%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (67%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3520, 76.5791, 53.8805 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 47.3520, 76.5791, 53.8805 by changing the saturation by 10% instead.


 47.3520, 76.5791,
53.8805


 47.3520, 76.5791,
53.8805


366.8433,
483.3278, 418.8159


 33.5231, 56.9075,
38.1136


 85.4544, 128.5452,
97.3534


 22.6886, 40.9310,
25.7684


 110.4586,
161.6084, 125.8965

 14.4832, 28.2652,
16.4262


 139.9186,
199.9043, 159.5354

 8.5414, 18.5256,
9.6686

 174.1997,
243.8173, 198.6886

 4.4980, 11.3280,
5.0771

213.6675,
293.7317, 243.7747

 1.9876, 6.2879,
2.2330

258.6870,

 0.6270, 3.0209,

350.0320, 295.2123

0.6933

309.6239,
413.1026, 353.4198

■ 0.0000, 1.1427,
0.0000

■ 0.0000, 0.0141,
0.0000

■ 47.3520, 76.5791,
53.8805

■ 47.3520, 76.5791,
53.8805

■ 44.3598, 75.1649,
47.9448

■ 51.2746, 78.4616,
60.3782

■ 42.1984, 74.1678,
42.5499

■ 56.2089, 80.8539,
67.4503

■ 40.7445, 73.5247,
37.6778

■ 62.2291, 83.7940,
75.1134

■ 40.3972, 73.3749,
36.3390

■ 69.4017, 87.3160,
83.3822

■ 77.7875, 91.4510,
92.2707

■ 87.4432, 96.2280,
101.7925

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.



55.1153, 76.5791, 30.5810



47.3520, 76.5791, 53.8805



45.8590, 76.5791, 96.4089

Triad

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



47.3520, 76.5791, 53.8805



77.2031, 76.5791, 208.2598



100.5376, 76.5791, 39.3667

Complementary

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



47.3520, 76.5791, 53.8805



50.9326, 30.2102, 37.3304

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.



108.6081, 76.5791, 71.5842



47.3520, 76.5791, 53.8805



93.8799, 76.5791, 176.5895

Square

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



47.3520, 76.5791, 53.8805



61.5844, 76.5791, 197.8425



106.0048, 76.5791, 122.0622



85.2699, 76.5791, 24.6564

Rectangle

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



47.3520, 76.5791, 53.8805



48.3733, 76.5791, 133.0725



106.0048, 76.5791, 122.0622



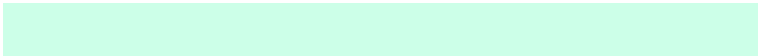
104.2789, 76.5791, 47.9150

Sweetspot

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



47.3527, 76.5795, 53.8818



75.1900, 90.1686, 89.5895



52.6296, 80.0317, 21.0624



15.5845, 19.0486, 18.6386



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.



47.3527, 76.5795, 53.8818



43.6422, 74.8306, 46.3015



55.6752, 77.0421, 106.5440



18.1848, 20.3335, 21.2762



21.1847, 38.3705, 19.3899



2.1178, 3.7581, 2.1784

Inverse Universe

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



50.9326, 30.2102, 37.3304



47.4619, 25.6429, 28.8547



46.4718, 29.1628, 11.5682



18.3539, 18.1249, 20.4810



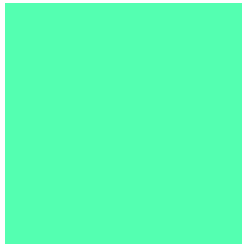
23.2788, 11.8008, 10.1185



2.3209, 1.1707, 1.2712

Previews

White Background



This preview shows how the XYZ color 47.3520, 76.5791, 53.8805 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 47.3520, 76.5791, 53.8805 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 47.3520, 76.5791, 53.8805

Background



This preview shows how black text looks on a background with the XYZ color 47.3520, 76.5791, 53.8805.

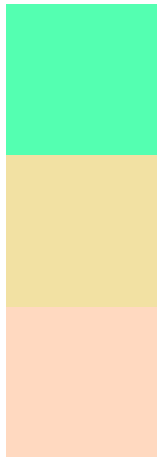


This preview shows how white text looks on a background with the XYZ color 47.3520, 76.5791,

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

47.3520, 76.5791, 53.8805

Protanopia

70.1540, 75.3720, 45.5011

Deuteranopia

75.5673, 74.6915, 60.3032



Tritanopia

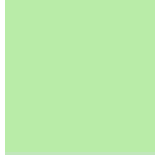
62.1590, 76.2156, 106.0427

Trichromacy



Original Color

47.3520, 76.5791, 53.8805



Protanomaly

57.0709, 73.1323, 48.1538



Deuteranomaly

59.5379, 72.0771, 57.7880



Tritanomaly

55.2699, 75.3629, 84.3065

Monochromacy



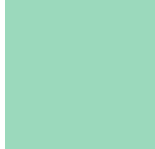
Original Color

47.3520, 76.5791, 53.8805



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

47.4075, 60.2251, 56.7029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3520, 76.5791, 53.8805 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(84, 255, 177)` looks like.

```
.text, #text, p{  
    color:rgb(84, 255, 177)  
}
```

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(84, 255, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 255, 177) }
```

Border

The CSS property to change the border of an element to XYZ 47.3520, 76.5791, 53.8805 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(84, 255, 177) }
```


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

```
.border{ border-color:rgb(84, 255, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 255, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 255, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 255, 177);  
box-shadow:4px 4px 4px 4px rgb(84, 255,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3520, 76.5791, 53.8805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 255, 177) }
```

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

```
.background{ background-color: rgb(84, 255,  
177) }
```

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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