

Converting Colors

XYZ(50.7669, 77.4302, 52.4719)

Have a look what the booklet for
XYZ(50.7669, 77.4302, 52.4719)
contains.

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Color

**XYZ(50.7913, 77.4441,
52.3156)**

Conversions

Conversions Part 1

Format	Color
Hex	7AFDAE
RGB	122, 253, 174
RGB Percent	48%, 99%, 68%
CMY	0.5216, 0.0078, 0.3176
CMYK	0.52, 0.00, 0.31, 0.01
HSL	144°, 97%, 74%
HSV	144°, 52%, 99%
XYZ	50.7913, 77.4441, 52.3156
YIQ	204.8250, -52.7170, -52.3410

Conversions

Conversions Part 2

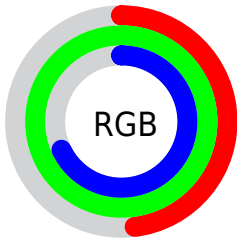
Format	Color
R _{YB}	122, 216, 253
Decimal	8060334
CIE _{Lab}	90.53, -53.42, 27.02
CIE _{LCh}	91, 59.861, 153.169
Y _{xy}	77.4441, 0.2813, 0.4289
Android (android.graphics.Color)	4286250414 (0xFF7AFDAE)
YUV	204.8250, -15.1967, -72.6375
Hunter-Lab	88.0023, -50.9813, 26.3549

Details

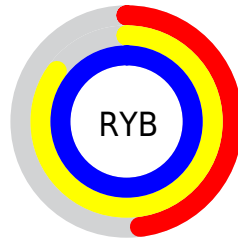
The XYZ color **50.7913, 77.4441, 52.3156** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **58.0127, 39.0205, 59.7353**, and the grayscale version is **58.0363, 61.0587, 66.4929**.

A 20% lighter version of the original color is **69.3343, 87.1783, 88.0357**, and **24.7112, 41.3102, 24.7604** is the 20% darker color. If you saturate the color by 10%, you get **46.2607, 75.2728, 44.7758**, and if you desaturate by 10%, it is **56.4273, 80.1699, 60.7926**.

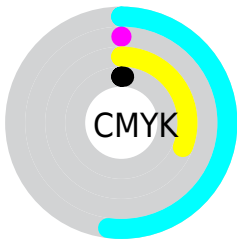
Distribution



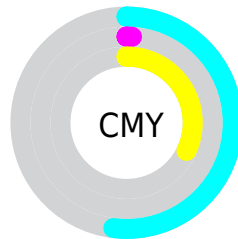
- Red (48%)
- Green (99%)
- Blue (68%)



- Red (48%)
- Yellow (85%)
- Blue (99%)



- Cyan (52%)
- Magenta (0%)
- Yellow (31%)
- Black (1%)




- Cyan (52%)
- Magenta (1%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.7913, 77.4441, 52.3156 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 50.7913, 77.4441, 52.3156 by changing the saturation by 10% instead.


 50.7913, 77.4441,
52.3156


 50.7913, 77.4441,
52.3156


380.1534,
486.2769, 412.6454


 36.2629, 57.6174,
36.8727


 90.5310, 129.7662,
95.0278

 24.8084, 41.5012,
24.8139


 116.4731,
163.0304, 123.1343

 16.0623, 28.7109,
15.7207


 146.9504,
201.5426, 156.2990

 9.6594, 18.8622,
9.1745

182.3283,
245.6871, 194.9405

 5.2342, 11.5708,
4.7568

222.9723,
295.8484, 239.4773

 2.4215, 6.4521,
2.0491

269.2475,

 0.8558, 3.1219,

352.4109, 290.3281

0.5852

321.5195,
415.7589, 347.9112

0.0000, 1.1957,
0.0000

0.0000, 0.0582,
0.0000

50.7913, 77.4441,
52.3156

50.7913, 77.4441,
52.3156

46.2607, 75.2728,
44.7758

56.4273, 80.1699,
60.7926

42.7497, 73.6062,
38.1347

63.2340, 83.4770,
70.2328


40.1694, 72.4012,
32.3590


71.2786, 87.4015,
80.6678

38.4108, 71.6023,
27.4106

80.6213, 91.9740,
92.1260

 37.4477, 71.1818,
23.9311

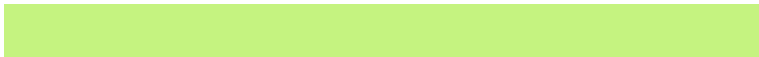
 91.3183, 97.2227,
104.6347

 94.4167, 98.7334,
108.6889

Harmonies

Analogous

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



58.9541, 77.4441, 32.4248



50.7913, 77.4441, 52.3156



48.4427, 77.4441, 88.9647

Triad

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



50.7913, 77.4441, 52.3156



75.2115, 77.4441, 196.3432



100.4317, 77.4441, 46.7797

Complementary

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



50.7913, 77.4441, 52.3156



58.0127, 39.0205, 59.7353

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.



106.2574, 77.4441, 79.8465



50.7913, 77.4441, 52.3156



90.5094, 77.4441, 173.8791

Square

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



50.7913, 77.4441, 52.3156



61.3639, 77.4441, 181.3693



102.4025, 77.4441, 127.2802



87.3819, 77.4441, 30.0735

Rectangle

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



50.7913, 77.4441, 52.3156



50.1868, 77.4441, 121.1012



102.4025, 77.4441, 127.2802



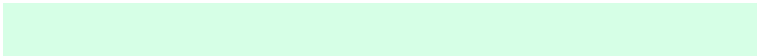
103.3743, 77.4441, 55.8657

Sweetspot

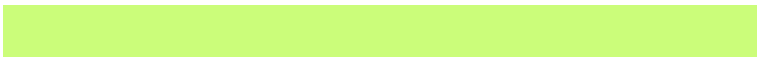
The Sweet Spot groups the original color and five complimentary colors.



50.7933, 77.4473, 52.3174



77.8885, 91.5817, 88.7260



63.2104, 84.3253, 31.3580



16.2537, 19.3979, 18.4781



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.



50.7933, 77.4473, 52.3174



46.9942, 76.5819, 45.4051



58.5447, 80.5478, 93.1358



18.0702, 20.2876, 20.6727



19.9869, 37.8914, 13.0823



1.9981, 3.7102, 1.5479

Inverse Universe

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



58.0127, 39.0205, 59.7353



55.0469, 33.6075, 53.5966



52.0054, 36.6176, 28.1016



18.4694, 18.1711, 21.0892



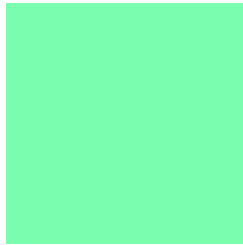
24.6626, 12.3543, 17.4058



2.4552, 1.2245, 1.9785

Previews

White Background



This preview shows how the XYZ color 50.7913, 77.4441, 52.3156 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 50.7913, 77.4441, 52.3156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

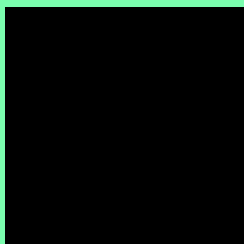
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

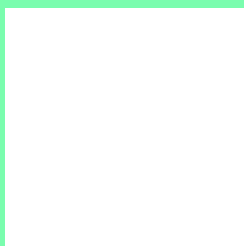
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.7913, 77.4441, 52.3156

Background



This preview shows how black text looks on a background with the XYZ color 50.7913, 77.4441, 52.3156.

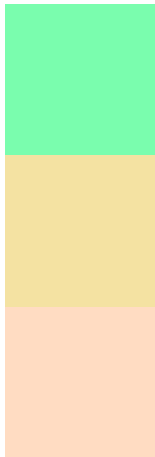


This preview shows how white text looks on a background with the XYZ color 50.7913, 77.4441,

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

50.7913, 77.4441, 52.3156

Protanopia

71.0262, 76.2344, 45.1537

Deuteranopia

76.5708, 76.3414, 61.7386



Tritanopia

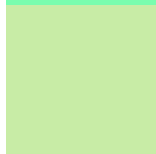
64.4336, 76.9523, 106.0650

Trichromacy



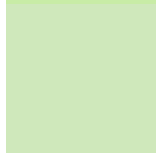
Original Color

50.7913, 77.4441, 52.3156



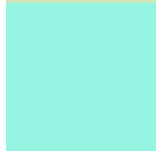
Protanomaly

60.6978, 75.0234, 47.3583



Deuteranomaly

63.5584, 74.5665, 58.0566



Tritanomaly

58.4726, 76.5819, 83.6515

Monochromacy



Original Color

50.7913, 77.4441, 52.3156



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

53.5381, 65.2516, 60.8120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7913, 77.4441, 52.3156 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(122, 253, 174)` looks like.

```
.text, #text, p{  
    color:rgb(122, 253, 174)  
}
```

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(122, 253, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 253, 174) }
```

Border

The CSS property to change the border of an element to XYZ 50.7913, 77.4441, 52.3156 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(122, 253, 174) }
```


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

```
.border{ border-color:rgb(122, 253, 174) }
```

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

Here you see how a box with a 4 pixel rgb(122, 253, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 253, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 253, 174);  
box-shadow:4px 4px 4px 4px rgb(122, 253,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7913, 77.4441, 52.3156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 253, 174) }
```

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

```
.background{ background-color: rgb(122,  
253, 174) }
```

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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