

Converting Colors

XYZ(52.2972, 77.0633, 51.7489)

Have a look what the booklet for
XYZ(52.2972, 77.0633, 51.7489)
contains.

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Color

**XYZ(52.0450, 76.7067,
51.5980)**

Conversions

Conversions Part 1

Format	Color
Hex	89FAAD
RGB	137, 250, 173
RGB Percent	54%, 98%, 68%
CMY	0.4627, 0.0196, 0.3216
CMYK	0.45, 0.00, 0.31, 0.02
HSL	139°, 92%, 76%
HSV	139°, 45%, 98%
XYZ	52.0450, 76.7067, 51.5980
YIQ	207.4350, -42.6310, -47.9030

Conversions

Conversions Part 2

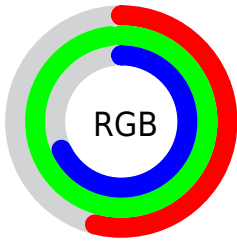
Format	Color
RYB	137, 223, 250
Decimal	9042605
CIELab	90.19, -48.64, 27.15
CIELCh	90, 55.709, 150.829
Yxy	76.7067, 0.2886, 0.4253
Android (android.graphics.Color)	4287232685 (0xFF89FAAD)
YUV	207.4350, -16.9765, -61.7715
Hunter-Lab	87.5824, -47.1972, 26.3777

Details

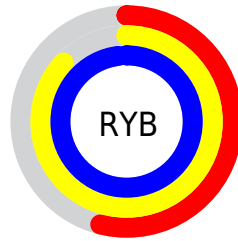
The XYZ color **52.0450, 76.7067, 51.5980** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **60.5101, 43.0721, 68.7458**, and the grayscale version is **59.7163, 62.8262, 68.4178**.

A 20% lighter version of the original color is **72.4085, 88.7792, 87.4485**, and **25.6020, 41.1157, 24.3561** is the 20% darker color. If you saturate the color by 10%, you get **46.8673, 74.2181, 43.2930**, and if you desaturate by 10%, it is **58.3863, 79.7751, 61.0580**.

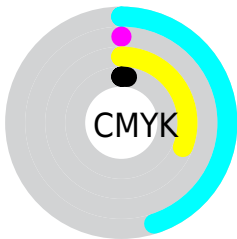
Distribution



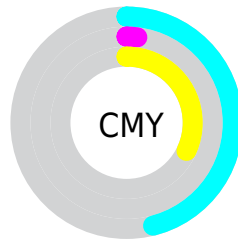
- Red (54%)
- Green (98%)
- Blue (68%)



- Red (54%)
- Yellow (87%)
- Blue (98%)



- Cyan (45%)
- Magenta (0%)
- Yellow (31%)
- Black (2%)





- Cyan (46%)
- Magenta (2%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.0450, 76.7067, 51.5980 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 52.0450, 76.7067, 51.5980 by changing the saturation by 10% instead.


 52.0450, 76.7067,
51.5980

 52.0450, 76.7067,
51.5980


384.9314,
483.7634, 409.7954

 37.2654, 57.0122,
36.3047


 92.3714, 128.7254,
93.9586

 25.5876, 41.0150,
24.3781


 118.6489,
161.8183, 121.8631

 16.6465, 28.3308,
15.3995


149.4898,
200.1462, 154.8083

 10.0765, 18.5752,
8.9505

185.2593,
244.0934, 193.2129

 5.5124, 11.3637,
4.6126

226.3229,
294.0444, 237.4953

 2.5887, 6.3120,
1.9671

273.0459,

 0.9402, 3.0357,

350.3834, 288.0742

0.5349

325.7936,
413.4950, 345.3681

0.0000, 1.1504,
0.0000

0.0000, 0.0206,
0.0000

52.0450, 76.7067,
51.5980

52.0450, 76.7067,
51.5980

46.8673, 74.2181,
43.2930

58.3863, 79.7751,
61.0580

42.7728, 72.2624,
36.0933

65.9529, 83.4479,
71.7100

39.6800, 70.8008,
29.9528

74.8089, 87.7595,
83.5956

37.4926, 69.7844,
24.8204

85.0124, 92.7389,
96.7531

■ 36.0928, 69.1539,
20.6399

■ 93.4770, 96.8541,
108.3757

■ 35.6220, 68.9481,
18.9519

Harmonies

Analogous

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



60.0975, 76.7067, 33.6678



52.0450, 76.7067, 51.5980



49.3966, 76.7067, 84.6290

Triad

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



52.0450, 76.7067, 51.5980



73.2934, 76.7067, 185.3025



98.2399, 76.7067, 50.2239

Complementary

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



52.0450, 76.7067, 51.5980



60.5101, 43.0721, 68.7458

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.



102.8974, 76.7067, 82.4218



52.0450, 76.7067, 51.5980



87.4193, 76.7067, 167.5865

Square

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



52.0450, 76.7067, 51.5980



60.6862, 76.7067, 169.3482



98.7108, 76.7067, 126.4662



86.6682, 76.7067, 33.0691

Rectangle

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



52.0450, 76.7067, 51.5980



50.7488, 76.7067, 113.6706



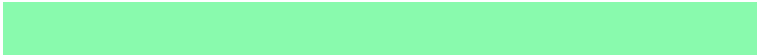
98.7108, 76.7067, 126.4662



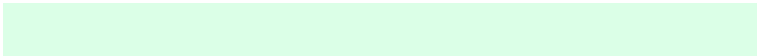
100.7272, 76.7067, 59.2373

Sweetspot

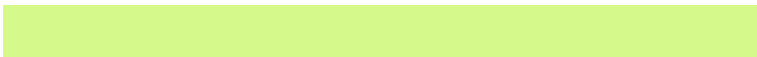
The Sweet Spot groups the original color and five complimentary colors.



52.0470, 76.7099, 51.5997



79.4415, 92.3777, 89.0033



66.4985, 84.5096, 36.4749



16.5427, 19.5479, 18.4445



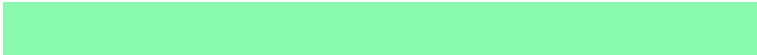
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.0470, 76.7099, 51.5997



49.5844, 77.9019, 46.2193



58.6870, 79.3659, 86.5654



17.2452, 19.4004, 19.4919



18.9518, 36.5937, 10.3555



1.8013, 3.4076, 1.2014

Inverse Universe

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



60.5101, 43.0721, 68.7458



59.4107, 38.7624, 66.0652



54.5194, 40.6758, 37.1990



17.7440, 17.4249, 20.5074



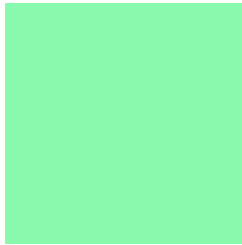
24.8468, 12.3544, 21.6993



2.3494, 1.1635, 2.2635

Previews

White Background



This preview shows how the XYZ color 52.0450, 76.7067, 51.5980 looks on a white background.

Color Contrast Check

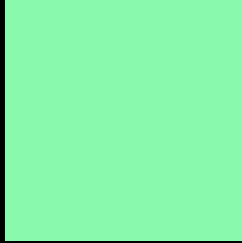
Large Text (above 18pt) WCAG AA × Fail

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 52.0450, 76.7067, 51.5980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

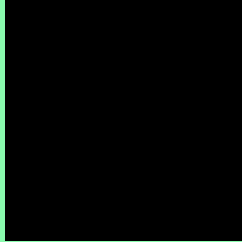
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.0450, 76.7067, 51.5980

Background



This preview shows how black text looks on a background with the XYZ color 52.0450, 76.7067, 51.5980.



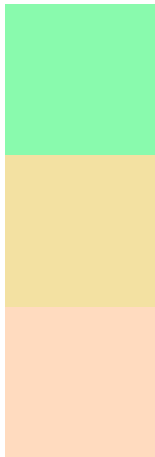
This preview shows how white text looks on a background with the XYZ color 52.0450, 76.7067,

51.5980.

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

52.0450, 76.7067, 51.5980

Protanopia

70.4089, 75.5137, 45.0471

Deuteranopia

75.9755, 75.6846, 59.8945



Tritanopia

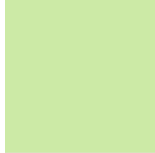
64.3504, 76.4761, 105.9775

Trichromacy



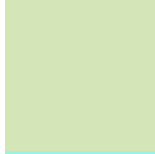
Original Color

52.0450, 76.7067, 51.5980



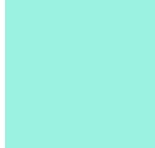
Protanomaly

61.2076, 74.4362, 47.2180



Deuteranomaly

64.0999, 74.0514, 56.2623



Tritanomaly

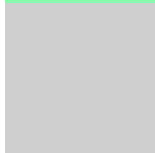
58.8603, 75.9091, 82.7838

Monochromacy



Original Color

52.0450, 76.7067, 51.5980



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

55.5294, 66.6606, 61.5698

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.0450, 76.7067, 51.5980 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(137, 250, 173)` looks like.

```
.text, #text, p{  
    color:rgb(137, 250, 173)  
}
```

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(137, 250, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 250, 173) }
```

Border

The CSS property to change the border of an element to XYZ 52.0450, 76.7067, 51.5980 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(137, 250, 173) }
```


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

```
.border{ border-color:rgb(137, 250, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 250, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 250, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 250, 173); box-shadow:4px 4px 4px 4px rgb(137, 250, 173) }
```

Background

The CSS property to change the background color of an element to XYZ 52.0450, 76.7067, 51.5980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 250, 173) }
```

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

```
.background{ background-color: rgb(137,  
250, 173) }
```

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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