

Converting Colors

XYZ(53.1232, 76.6075, 32.8095)

Have a look what the booklet for
XYZ(53.1232, 76.6075, 32.8095)
contains.

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Color

**XYZ(53.2557, 76.8268,
32.7911)**

Conversions

Conversions Part 1

Format	Color
Hex	A6F881
RGB	166, 248, 129
RGB Percent	65%, 97%, 51%
CMY	0.3490, 0.0274, 0.4941
CMYK	0.33, 0.00, 0.48, 0.03
HSL	101°, 89%, 74%
HSV	101°, 48%, 97%
XYZ	53.2557, 76.8268, 32.7911
YIQ	209.9160, -10.6730, -54.3930

Conversions

Conversions Part 2

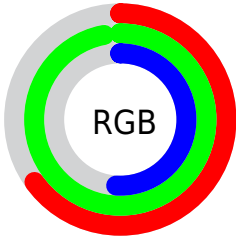
Format	Color
RYB	129, 248, 211
Decimal	10942593
CIELab	90.24, -45.73, 49.12
CIELCh	90, 67.113, 132.958
Yxy	76.8268, 0.3270, 0.4717
Android (android.graphics.Color)	4289132673 (0xFFA6F881)
YUV	209.9160, -39.8916, -38.5143
Hunter-Lab	87.6509, -44.9345, 39.1746

Details

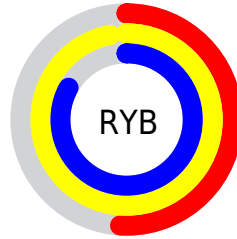
The XYZ color **53.2557, 76.8268, 32.7911** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **51.6612, 36.3292, 93.1006**, and the grayscale version is **61.4637, 64.6646, 70.4198**.

A 20% lighter version of the original color is **75.1522, 90.8280, 58.9180**, and **26.3657, 41.0984, 13.3806** is the 20% darker color. If you saturate the color by 10%, you get **48.4560, 74.5227, 24.9812**, and if you desaturate by 10%, it is **58.9354, 79.5430, 42.7334**.

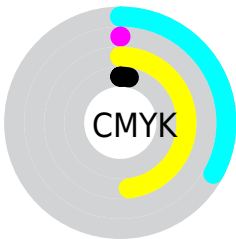
Distribution



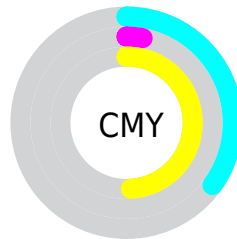
- Red (65%)
- Green (97%)
- Blue (51%)



- Red (51%)
- Yellow (97%)
- Blue (83%)



- Cyan (33%)
- Magenta (0%)
- Yellow (48%)
- Black (3%)





- Cyan (35%)
- Magenta (3%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.2557, 76.8268, 32.7911 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 53.2557, 76.8268, 32.7911 by changing the saturation by 10% instead.


 53.2557, 76.8268,
32.7911

 53.2557, 76.8268,
32.7911


389.5102,
484.1733, 329.3105


 38.2352, 57.1107,
21.6967


 94.1438, 128.8950,
65.1615

 26.3434, 41.0942,
13.4380


 120.7422,
162.0158, 87.2745

 17.2147, 28.3927,
7.5966


 151.9306,
200.3738, 113.8975

 10.4839, 18.6219,
3.7539

188.0744,
244.3532, 145.4490

 5.7857, 11.3974,
1.4913

229.5388,
294.3385, 182.3475

 2.7546, 6.3348,
0.2114


276.6894,


 1.0254, 3.0497,


350.7140, 225.0115


0.0000

329.8914,
413.8641, 273.8597


 0.0000, 1.1577,
0.0000


 0.0000, 0.0268,
0.0000


 53.2557, 76.8268,
32.7911


 53.2557, 76.8268,
32.7911


 48.4560, 74.5227,
24.9812


 58.9354, 79.5430,
42.7334


 44.4825, 72.5994,
19.1428


 65.5334, 82.6810,
54.9434


 41.2838, 71.0366,
15.1001


 73.0927, 86.2624,
69.5512


 38.7990, 69.8074,
12.6443

 81.6515, 90.3045,
86.6755

 36.9512, 68.8785,
11.4909

 91.2461, 94.8234,
106.4271

 36.6379, 68.7201,
11.3333

 92.8590, 95.6180,
108.1697

Harmonies

Analogous

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



66.0566, 76.8268, 22.2328



53.2557, 76.8268, 32.7911



46.4266, 76.8268, 59.4943

Triad

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



53.2557, 76.8268, 32.7911



64.0108, 76.8268, 205.9492



108.9900, 76.8268, 64.6814

Complementary

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



53.2557, 76.8268, 32.7911



51.6612, 36.3292, 93.1006

Split Complementary

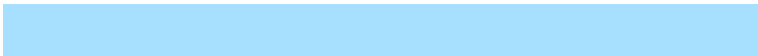
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



108.2184, 76.8268, 113.5954



53.2557, 76.8268, 32.7911



80.4597, 76.8268, 209.0571

Square

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



53.2557, 76.8268, 32.7911



51.9555, 76.8268, 163.2546



97.1574, 76.8268, 170.5984



99.1278, 76.8268, 35.3361

Rectangle

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



53.2557, 76.8268, 32.7911



45.4232, 76.8268, 88.4861



97.1574, 76.8268, 170.5984



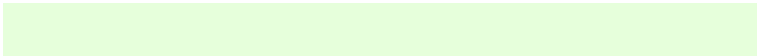
110.0050, 76.8268, 78.9960

Sweetspot

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



53.2576, 76.8301, 32.7928



81.3470, 93.5393, 80.9925



65.8019, 67.7945, 30.3876



17.0006, 19.8270, 16.5190



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.



53.2576, 76.8301, 32.7928



51.5712, 79.3638, 26.5382



48.1941, 74.0340, 40.9516



17.5250, 19.5709, 18.3163



19.9170, 37.1859, 6.1279



1.9485, 3.4976, 0.5724

Inverse Universe

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



51.6612, 36.3292, 93.1006



49.6180, 31.3144, 98.0369



60.3173, 41.1602, 76.8526



17.4373, 17.2381, 21.7935



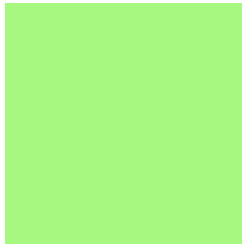
18.3640, 8.4097, 48.6289



1.8097, 0.8350, 4.5090

Previews

White Background



This preview shows how the XYZ color 53.2557, 76.8268, 32.7911 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 53.2557, 76.8268, 32.7911 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

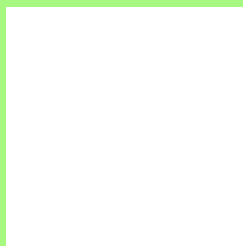
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.2557, 76.8268, 32.7911

Background



This preview shows how black text looks on a background with the XYZ color 53.2557, 76.8268, 32.7911.



This preview shows how white text looks on a background with the XYZ color 53.2557, 76.8268,

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

53.2557, 76.8268, 32.7911

Protanopia

69.7145, 75.9129, 29.0675

Deuteranopia

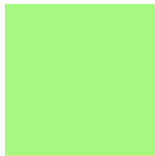
75.1737, 75.7826, 54.3815



Tritanopia

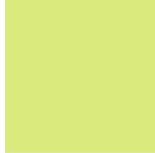
67.4021, 76.3766, 104.1182

Trichromacy



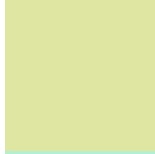
Original Color

53.2557, 76.8268, 32.7911



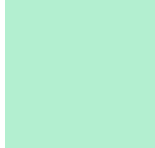
Protanomaly

62.2743, 75.3609, 30.3327



Deuteranomaly

65.2498, 74.8902, 45.1986



Tritanomaly

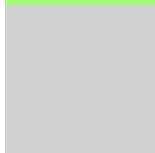
60.8421, 75.8708, 71.1123

Monochromacy



Original Color

53.2557, 76.8268, 32.7911



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

57.2443, 68.1168, 53.8468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.2557, 76.8268, 32.7911 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(166, 248, 129)` looks like.

```
.text, #text, p{  
    color:rgb(166, 248, 129)  
}
```

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(166, 248, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 248, 129) }
```

Border

The CSS property to change the border of an element to XYZ 53.2557, 76.8268, 32.7911 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(166, 248, 129) }
```


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

```
.border{ border-color:rgb(166, 248, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 248, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 248, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 248, 129); box-shadow:4px 4px 4px 4px rgb(166, 248, 129) }
```

Background

The CSS property to change the background color of an element to XYZ 53.2557, 76.8268, 32.7911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 248, 129) }
```

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

```
.background{ background-color: rgb(166,  
248, 129) }
```

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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