

Converting Colors

XYZ(63.0618, 98.6437, 44.3692)

Have a look what the booklet for
XYZ(63.0618, 98.6437, 44.3692)
contains.

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Color

**XYZ(53.8427, 80.2060,
41.4977)**

Conversions

Conversions Part 1

Format	Color
Hex	96FF96
RGB	150, 255, 150
RGB Percent	59%, 100%, 59%
CMY	0.4118, 0.0000, 0.4118
CMYK	0.41, 0.00, 0.41, 0.00
HSL	120°, 100%, 79%
HSV	120°, 41%, 100%
XYZ	53.8427, 80.2060, 41.4977
YIQ	211.6350, -28.8750, -54.9150

Conversions

Conversions Part 2

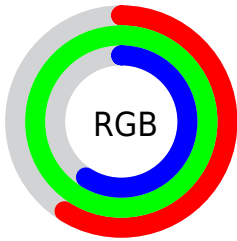
Format	Color
RYB	150, 255, 255
Decimal	9895830
CIELab	91.78, -50.84, 40.82
CIELCh	92, 65.201, 141.243
Yxy	80.2060, 0.3067, 0.4569
Android (android.graphics.Color)	4288085910 (0xFF96FF96)
YUV	211.6350, -30.3861, -54.0539
Hunter-Lab	89.5578, -49.4109, 35.2177

Details

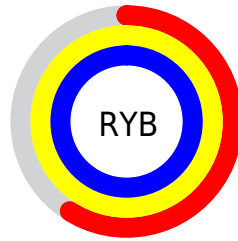
The XYZ color **53.8427, 80.2060, 41.4977** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **70.1962, 50.2929, 100.6139**, and the grayscale version is **62.5458, 65.8030, 71.6595**.

A 20% lighter version of the original color is **72.7919, 89.3377, 71.1650**, and **26.7654, 43.5265, 18.3000** is the 20% darker color. If you saturate the color by 10%, you get **47.8148, 77.3105, 31.6385**, and if you desaturate by 10%, it is **61.3392, 83.8070, 53.7602**.

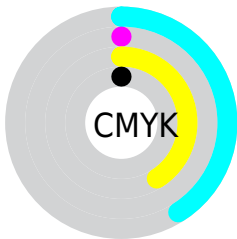
Distribution



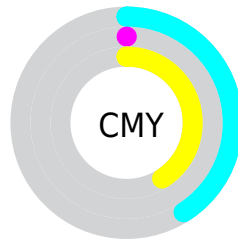
- Red (59%)
- Green (100%)
- Blue (59%)



- Red (59%)
- Yellow (100%)
- Blue (100%)



- Cyan (41%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)



- Cyan (41%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.8427, 80.2060, 41.4977 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 53.8427, 80.2060, 41.4977 by changing the saturation by 10% instead.

53.8427, 80.2060,
41.4977

53.8427, 80.2060,
41.4977

391.7180,
495.6268, 368.1345

38.7061, 59.8879,
28.3856

95.0015, 133.6553,
78.7007

26.7109, 43.3283,
18.3749

121.7544,
167.5553, 103.6287

17.4916, 30.1428,
11.0473

153.1101,
206.7514, 133.3323

10.6831, 19.9470,
5.9841

189.4339,
251.6279, 168.2301

5.9199, 12.3565,
2.7668

231.0913,
302.5694, 208.7407

2.8366, 6.9870,
0.9768

278.4475,

1.0680, 3.4539,

359.9600, 255.2826

0.0000

331.8680,
424.1844, 308.2744

0.0000, 1.3731,
0.0000

0.0000, 0.1967,
0.0000

53.8427, 80.2060,
41.4977

53.8427, 80.2060,
41.4977

47.8148, 77.3105,
31.6385

61.3392, 83.8070,
53.7602

43.1580, 75.0736,
24.0214

70.3906, 88.1548,
68.5652

39.7652, 73.4439,
18.4716

81.0778, 93.2885,
86.0462

37.5126, 72.3618,
14.7870

93.4762, 99.2440,
106.3257

■ 36.2518, 71.7562, 95.0500, 100.0000,
12.7245 108.9000

■ 35.7600, 71.5200,
11.9201

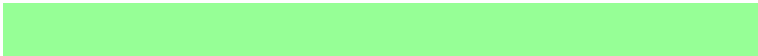
Harmonies

Analogous

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



65.1851, 80.2060, 26.6161



53.8427, 80.2060, 41.4977



48.7066, 80.2060, 74.0691

Triad

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



53.8427, 80.2060, 41.4977



71.4501, 80.2060, 213.3347



110.2348, 80.2060, 58.0789

Complementary

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



53.8427, 80.2060, 41.4977



70.1962, 50.2929, 100.6139

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.



112.5613, 80.2060, 102.0877



53.8427, 80.2060, 41.4977



88.4645, 80.2060, 204.0865

Square

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



53.8427, 80.2060, 41.4977



57.8530, 80.2060, 180.4181



104.1030, 80.2060, 158.4454



98.1448, 80.2060, 33.4711

Rectangle

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



53.8427, 80.2060, 41.4977



48.8861, 80.2060, 106.5069



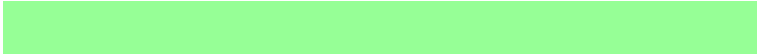
104.1030, 80.2060, 158.4454



112.2482, 80.2060, 70.6065

Sweetspot

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



53.8432, 80.2062, 41.4990



80.1335, 92.8349, 84.5016



82.5051, 94.9820, 42.8395



16.8365, 19.7190, 17.5710



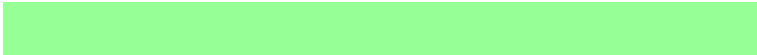
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

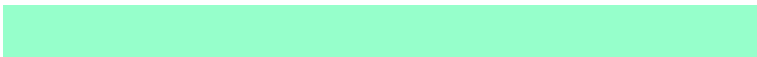
The Same Dimension uses a secret algorithm to generate beautiful new colors.



53.8432, 80.2062, 41.4990



49.0064, 77.8829, 33.5875



59.0579, 82.2922, 68.9597



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2286



1.8193, 3.6387, 0.6065

Inverse Universe

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



70.1962, 50.2929, 100.6139



67.2789, 44.4584, 99.6412



62.8666, 47.3611, 62.0165



18.7927, 18.3004, 22.7917



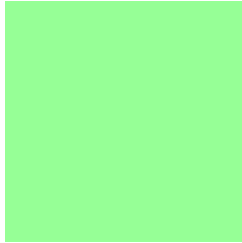
30.9799, 14.8813, 50.6721



3.0164, 1.4489, 4.9338

Previews

White Background



This preview shows how the XYZ color 53.8427, 80.2060, 41.4977 looks on a white background.

Color Contrast Check

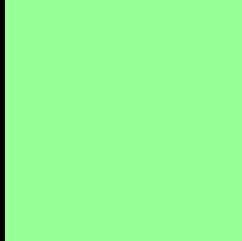
Large Text (above 18pt) WCAG AA × Fail

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 53.8427, 80.2060, 41.4977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

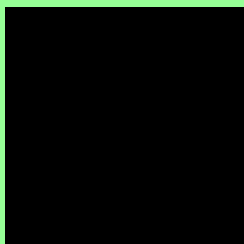
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

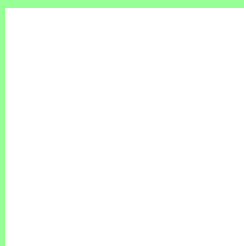
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.8427, 80.2060, 41.4977

Background



This preview shows how black text looks on a background with the XYZ color 53.8427, 80.2060, 41.4977.

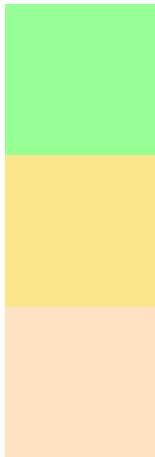


This preview shows how white text looks on a background with the XYZ color 53.8427, 80.2060,

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

53.8427, 80.2060, 41.4977

Protanopia

72.8141, 78.9963, 36.2210

Deuteranopia

78.1290, 79.0959, 63.3738



Tritanopia

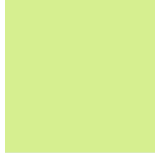
69.1662, 79.3921, 106.2865

Trichromacy



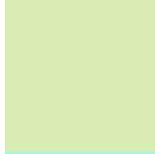
Original Color

53.8427, 80.2060, 41.4977



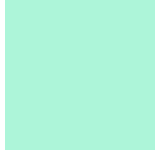
Protanomaly

63.6321, 78.0428, 38.0955



Deuteranomaly

66.7474, 77.9973, 54.1848



Tritanomaly

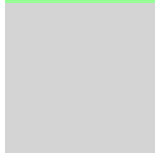
62.4104, 79.1988, 77.6432

Monochromacy



Original Color

53.8427, 80.2060, 41.4977



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

57.9150, 69.9797, 58.5991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.8427, 80.2060, 41.4977 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(150, 255, 150)` looks like.

```
.text, #text, p{  
    color:rgb(150, 255, 150)  
}
```

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(150, 255, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 255, 150) }
```

Border

The CSS property to change the border of an element to XYZ 53.8427, 80.2060, 41.4977 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(150, 255, 150) }
```


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

```
.border{ border-color:rgb(150, 255, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 255, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 255, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 255, 150);  
box-shadow:4px 4px 4px 4px rgb(150, 255,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 53.8427, 80.2060, 41.4977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 255, 150) }
```

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

```
.background{ background-color: rgb(150,  
255, 150) }
```

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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