

Converting Colors

XYZ(51.7382, 76.4603, 34.0453)

Have a look what the booklet for
XYZ(51.7382, 76.4603, 34.0453)
contains.

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Color

**XYZ(51.8196, 76.5127,
34.2276)**

Conversions

Conversions Part 1

Format	Color
Hex	9CF985
RGB	156, 249, 133
RGB Percent	61%, 98%, 52%
CMY	0.3882, 0.0235, 0.4784
CMYK	0.37, 0.00, 0.47, 0.02
HSL	108°, 91%, 75%
HSV	108°, 47%, 98%
XYZ	51.8196, 76.5127, 34.2276
YIQ	207.9690, -18.1920, -55.7920

Conversions

Conversions Part 2

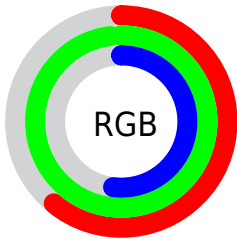
Format	Color
RYB	133, 249, 226
Decimal	10287493
CIELab	90.10, -48.85, 46.94
CIELCh	90, 67.744, 136.143
Yxy	76.5127, 0.3188, 0.4707
Android (android.graphics.Color)	4288477573 (0xFF9CF985)
YUV	207.9690, -36.9597, -45.5768
Hunter-Lab	87.4715, -47.3288, 38.0299

Details

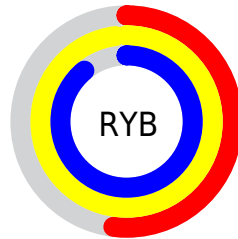
The XYZ color **51.8196, 76.5127, 34.2276** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **56.8541, 39.7858, 94.3095**, and the grayscale version is **60.1763, 63.3101, 68.9447**.

A 20% lighter version of the original color is **72.5687, 89.4470, 61.0172**, and **25.4432, 40.9311, 14.1489** is the 20% darker color. If you saturate the color by 10%, you get **46.7487, 74.0766, 26.0504**, and if you desaturate by 10%, it is **57.9370, 79.4457, 44.5853**.

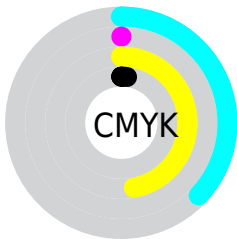
Distribution



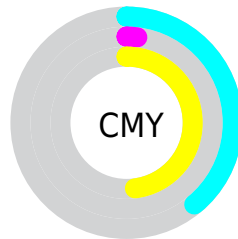
- Red (61%)
- Green (98%)
- Blue (52%)



- Red (52%)
- Yellow (98%)
- Blue (89%)



- Cyan (37%)
- Magenta (0%)
- Yellow (47%)
- Black (2%)





- Cyan (39%)
- Magenta (2%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8196, 76.5127, 34.2276 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 51.8196, 76.5127, 34.2276 by changing the saturation by 10% instead.


 51.8196, 76.5127,
34.2276


 51.8196, 76.5127,
34.2276


384.0752,
483.1010, 335.9458


 37.0850, 56.8530,
22.7897


 92.0409, 128.4514,
67.4254

 25.4473, 40.8872,
14.2345


 118.2584,
161.4992, 90.0224

 16.5411, 28.2310,
8.1433


 149.0341,
199.7784, 117.1762

 10.0011, 18.4999,
4.0977

184.7336,
243.6736, 149.3053

 5.4620, 11.3095,
1.6791

225.7220,
293.5690, 186.8283

 2.5583, 6.2754,
0.3464


272.3649,


 0.9248, 3.0132,


349.8491, 230.1636

0.0000


325.0275,
412.8983, 279.7300


 0.0000, 1.1387,
0.0000

 0.0000, 0.0107,
0.0000


 51.8196, 76.5127,
34.2276


 51.8196, 76.5127,
34.2276

 46.7487, 74.0766,
26.0504

 57.9370, 79.4457,
44.5853


 42.6585, 72.1001,
19.8930

 65.1505, 82.8914,
57.2589

 39.4839, 70.5557,
15.5810

 73.5133, 86.8766,
72.3786

 37.1494, 69.4089,
12.9078

 83.0733, 91.4234,
90.0636

■ 35.5648, 68.6190,
11.6145

■ 93.1672, 96.2344,
108.2724

■ 35.1615, 68.4165,
11.3525

Harmonies

Analogous

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



64.1022, 76.5127, 22.2785



51.8196, 76.5127, 34.2276



45.6416, 76.5127, 63.0502

Triad

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



51.8196, 76.5127, 34.2276



65.2543, 76.5127, 209.3577



108.3941, 76.5127, 60.1335

Complementary

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



51.8196, 76.5127, 34.2276



56.8541, 39.7858, 94.3095

Split Complementary

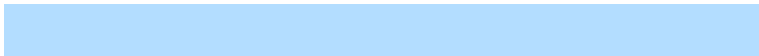
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



108.8302, 76.5127, 107.5007



51.8196, 76.5127, 34.2276



82.0841, 76.5127, 207.5956

Square

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



51.8196, 76.5127, 34.2276



52.5505, 76.5127, 169.4595



98.6050, 76.5127, 165.3011



97.4920, 76.5127, 32.8044

Rectangle

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



51.8196, 76.5127, 34.2276



45.0904, 76.5127, 93.6121



98.6050, 76.5127, 165.3011



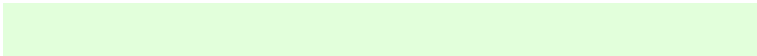
109.8210, 76.5127, 73.7916

Sweetspot

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



51.8215, 76.5160, 34.2293



80.0683, 92.8801, 80.9327



70.4458, 76.1207, 33.1714



16.6921, 19.6680, 16.5045



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.



51.8215, 76.5160, 34.2293



49.5971, 78.3142, 27.8898



50.6002, 75.5611, 48.8679



17.3386, 19.4748, 18.3076



18.9109, 36.6672, 6.0808



1.8329, 3.4380, 0.5670

Inverse Universe

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



56.8541, 39.7858, 94.3095



55.4471, 35.1331, 98.4667



59.6204, 41.7821, 68.6778



17.6361, 17.3406, 21.8028



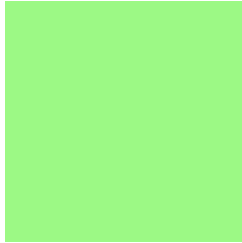
21.9692, 10.2682, 48.7976



2.1176, 0.9937, 4.5234

Previews

White Background



This preview shows how the XYZ color 51.8196, 76.5127, 34.2276 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 51.8196, 76.5127, 34.2276 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

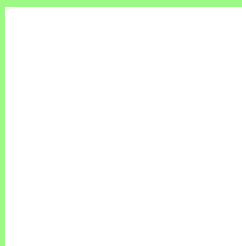
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.8196, 76.5127, 34.2276

Background



This preview shows how black text looks on a background with the XYZ color 51.8196, 76.5127, 34.2276.



This preview shows how white text looks on a background with the XYZ color 51.8196, 76.5127,

34.2276.

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

51.8196, 76.5127, 34.2276

Protanopia

69.6094, 75.8298, 30.3698

Deuteranopia

74.8097, 75.2183, 53.7557



Tritanopia

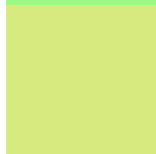
65.9578, 76.0374, 104.9663

Trichromacy



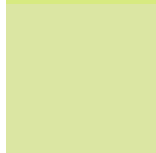
Original Color

51.8196, 76.5127, 34.2276



Protanomaly

61.3434, 74.8512, 31.6367



Deuteranomaly

64.1211, 74.2980, 45.6117



Tritanomaly

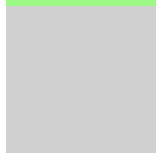
59.3705, 75.5194, 72.4203

Monochromacy



Original Color

51.8196, 76.5127, 34.2276



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

55.7144, 66.9304, 53.6985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8196, 76.5127, 34.2276 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(156, 249, 133)` looks like.

```
.text, #text, p{  
    color:rgb(156, 249, 133)  
}
```

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(156, 249, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 249, 133) }
```

Border

The CSS property to change the border of an element to XYZ 51.8196, 76.5127, 34.2276 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(156, 249, 133) }
```


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

```
.border{ border-color:rgb(156, 249, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 249, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 249, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 249, 133);  
box-shadow:4px 4px 4px 4px rgb(156, 249,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8196, 76.5127, 34.2276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 249, 133) }
```

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

```
.background{ background-color: rgb(156,  
249, 133) }
```

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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