

Converting Colors

XYZ(54.7239, 76.9203, 47.2859)

Have a look what the booklet for
XYZ(54.7239, 76.9203, 47.2859)
contains.

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Color

**XYZ(54.6595, 76.7789,
47.0609)**

Conversions

Conversions Part 1

Format	Color
Hex	A1F7A4
RGB	161, 247, 164
RGB Percent	63%, 97%, 64%
CMY	0.3686, 0.0314, 0.3569
CMYK	0.35, 0.00, 0.34, 0.03
HSL	122°, 84%, 80%
HSV	122°, 35%, 97%
XYZ	54.6595, 76.7789, 47.0609
YIQ	211.8240, -24.6130, -44.0450

Conversions

Conversions Part 2

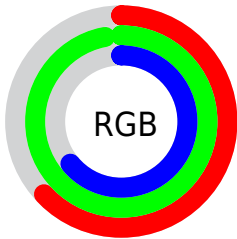
Format	Color
RYB	161, 244, 247
Decimal	10614692
CIELab	90.22, -42.05, 31.92
CIELCh	90, 52.793, 142.796
Yxy	76.7789, 0.3062, 0.4301
Android (android.graphics.Color)	4288804772 (0xFFA1F7A4)
YUV	211.8240, -23.5772, -44.5726
Hunter-Lab	87.6236, -41.9931, 29.4930

Details

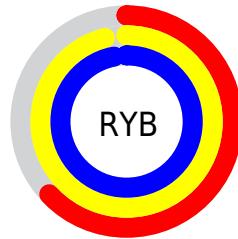
The XYZ color **54.6595, 76.7789, 47.0609** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **67.4342, 51.7970, 92.0343**, and the grayscale version is **62.6274, 65.8889, 71.7530**.

A 20% lighter version of the original color is **77.4596, 91.5399, 80.6042**, and **27.2266, 41.0388, 21.5252** is the 20% darker color. If you saturate the color by 10%, you get **48.2102, 73.6823, 36.5556**, and if you desaturate by 10%, it is **62.4995, 80.5503, 59.7408**.

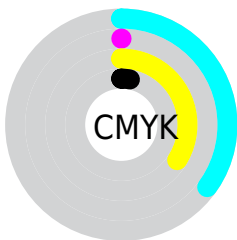
Distribution



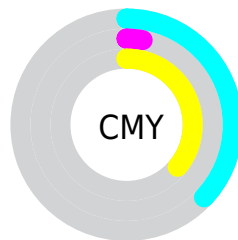
- Red (63%)
- Green (97%)
- Blue (64%)



- Red (63%)
- Yellow (96%)
- Blue (97%)



- Cyan (35%)
- Magenta (0%)
- Yellow (34%)
- Black (3%)





- Cyan (37%)
- Magenta (3%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.6595, 76.7789, 47.0609 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 54.6595, 76.7789, 47.0609 by changing the saturation by 10% instead.


 54.6595, 76.7789,
47.0609


 54.6595, 76.7789,
47.0609


394.7774,
484.0099, 391.4584

 39.3619, 57.0714,
32.7291


 96.1931, 128.8273,
87.1555

 27.2234, 41.0626,
21.6496


 123.1599,
161.9371, 113.7553

 17.8785, 28.3680,
13.4038


154.7471,
200.2830, 145.2816

 10.9620, 18.6032,
7.5732

191.3201,
244.2496, 182.1528

 6.1084, 11.3839,
3.7393

233.2443,
294.2212, 224.7876

 2.9524, 6.3257,
1.4834


280.8850,


 1.1286, 3.0441,

350.5821, 273.6044

0.2055


334.6076,
413.7169, 329.0218


 0.0489, 1.1548,
0.0000


 0.0000, 0.0243,
0.0000


 54.6595, 76.7789,
47.0609


 54.6595, 76.7789,
47.0609


 48.2102, 73.6823,
36.5556


 62.4995, 80.5503,
59.7408


 43.0649, 71.2116,
28.0979

 71.7985, 85.0226,
74.7023

 39.1365, 69.3272,
21.5560

 82.6274, 90.2323,
92.0517

 36.3247, 67.9804,
16.7802

 92.5523, 95.0045,
108.0674

■ 34.5132, 67.1151,
13.5990

■ 33.5604, 66.6626,
11.8065

■ 33.3095, 66.5434,
11.3361

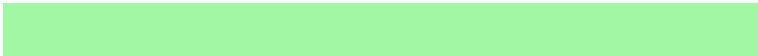
Harmonies

Analogous

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



63.6257, 76.7789, 33.0922



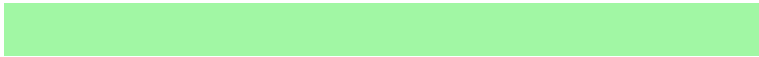
54.6595, 76.7789, 47.0609



50.6870, 76.7789, 74.8563

Triad

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



54.6595, 76.7789, 47.0609



69.8558, 76.7789, 177.7950



98.8101, 76.7789, 58.5999

Complementary

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



54.6595, 76.7789, 47.0609



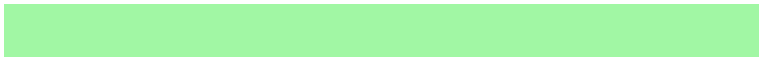
67.4342, 51.7970, 92.0343

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.



100.9953, 76.7789, 92.9976



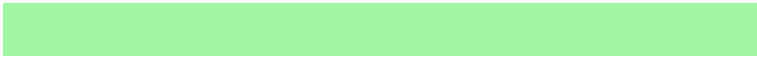
54.6595, 76.7789, 47.0609



83.2003, 76.7789, 169.5315

Square

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



54.6595, 76.7789, 47.0609



58.7514, 76.7789, 155.4164



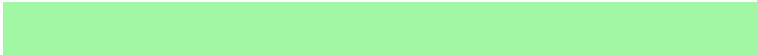
94.9858, 76.7789, 135.3771



89.3292, 76.7789, 38.2248

Rectangle

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



54.6595, 76.7789, 47.0609



51.0231, 76.7789, 100.6553



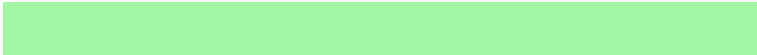
94.9858, 76.7789, 135.3771



100.4652, 76.7789, 68.5876

Sweetspot

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



54.6615, 76.7821, 47.0626



82.5706, 93.9955, 88.9413



77.0516, 88.3556, 46.7119



17.3274, 19.9524, 18.4823



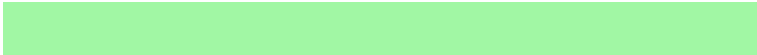
0.0000, 0.0000, 0.0000



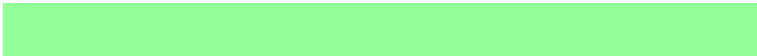
20.3446, 21.4041, 23.3091

Same Dimension

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



54.6615, 76.7821, 47.0626



53.5925, 80.0617, 42.1793



59.2070, 78.6003, 70.9989



16.3056, 18.4814, 17.6279



17.6261, 35.1953, 6.0509



1.5572, 3.0966, 0.5744

Inverse Universe

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



67.4342, 51.7970, 92.0343



69.2682, 49.3900, 97.3661



61.6632, 49.4886, 61.6446



17.1872, 16.7577, 20.7322



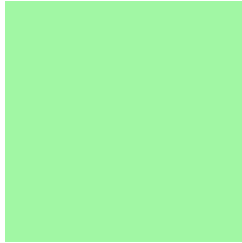
28.4891, 13.7391, 44.1455



2.5116, 1.2106, 3.9205

Previews

White Background



This preview shows how the XYZ color 54.6595, 76.7789, 47.0609 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 54.6595, 76.7789, 47.0609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

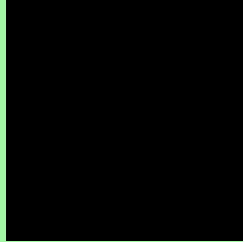
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 54.6595, 76.7789, 47.0609

Background



This preview shows how black text looks on a background with the XYZ color 54.6595, 76.7789, 47.0609.



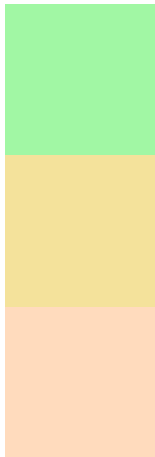
This preview shows how white text looks on a background with the XYZ color 54.6595, 76.7789,

47.0609.

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

54.6595, 76.7789, 47.0609

Protanopia

70.4210, 75.9924, 41.9668

Deuteranopia

75.7568, 75.5972, 58.7430



Tritanopia

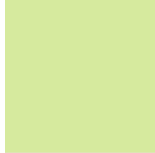
66.4055, 76.6759, 105.9077

Trichromacy



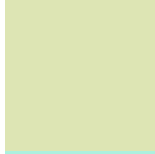
Original Color

54.6595, 76.7789, 47.0609



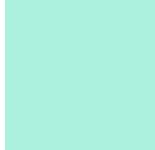
Protanomaly

63.3259, 75.6104, 43.6044



Deuteranomaly

66.0763, 74.7061, 54.1171



Tritanomaly

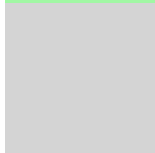
61.3582, 76.3648, 80.6132

Monochromacy



Original Color

54.6595, 76.7789, 47.0609



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

58.7679, 69.1280, 61.8754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.6595, 76.7789, 47.0609 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(161, 247, 164)` looks like.

```
.text, #text, p{  
    color:rgb(161, 247, 164)  
}
```

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(161, 247, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 247, 164) }
```

Border

The CSS property to change the border of an element to XYZ 54.6595, 76.7789, 47.0609 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(161, 247, 164) }
```


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

```
.border{ border-color:rgb(161, 247, 164) }
```

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

Here you see how a box with a 4 pixel rgb(161, 247, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 247, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 247, 164);  
box-shadow:4px 4px 4px 4px rgb(161, 247,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 54.6595, 76.7789, 47.0609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 247, 164) }
```

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

```
.background{ background-color: rgb(161,  
247, 164) }
```

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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