

Converting Colors

XYZ(55.3637, 77.0327, 45.8090)

Have a look what the booklet for
XYZ(55.3637, 77.0327, 45.8090)
contains.

XYZ(55.4197, 77.2017, 45.6987)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(55.4197, 77.2017,
45.6987)**

Conversions

Conversions Part 1

Format	Color
Hex	A6F7A1
RGB	166, 247, 161
RGB Percent	65%, 97%, 63%
CMY	0.3490, 0.0314, 0.3686
CMYK	0.33, 0.00, 0.35, 0.03
HSL	117°, 84%, 80%
HSV	117°, 35%, 97%
XYZ	55.4197, 77.2017, 45.6987
YIQ	212.9770, -20.6700, -43.9180

Conversions

Conversions Part 2

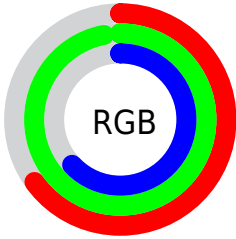
Format	Color
RYB	161, 247, 242
Decimal	10942369
CIELab	90.41, -40.97, 33.73
CIELCh	90, 53.068, 140.535
Yxy	77.2017, 0.3108, 0.4329
Android (android.graphics.Color)	4289132449 (0xFFA6F7A1)
YUV	212.9770, -25.6247, -41.1988
Hunter-Lab	87.8645, -41.1757, 30.6682

Details

The XYZ color **55.4197, 77.2017, 45.6987** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **66.1546, 51.0847, 94.3733**, and the grayscale version is **63.4080, 66.7102, 72.6474**.

A 20% lighter version of the original color is **78.5861, 92.1658, 78.6136**, and **27.6758, 41.2891, 20.6983** is the 20% darker color. If you saturate the color by 10%, you get **49.0098, 74.1269, 35.1301**, and if you desaturate by 10%, it is **63.1460, 80.9100, 58.5781**.

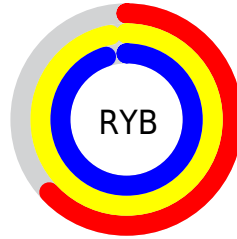
Distribution



Red (65%)

Green (97%)

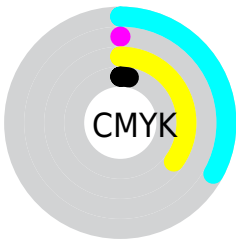
Blue (63%)



Red (63%)

Yellow (97%)

Blue (95%)

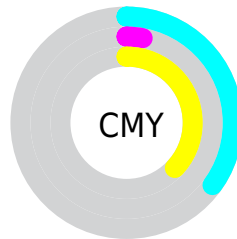


Cyan (33%)

Magenta (0%)

Yellow (35%)

Black (3%)



Cyan (35%)


Magenta (3%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.4197, 77.2017, 45.6987 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 55.4197, 77.2017, 45.6987 by changing the saturation by 10% instead.


 55.4197, 77.2017,
45.6987


 55.4197, 77.2017,
45.6987


397.6115,
485.4515, 385.8383

 39.9730, 57.4184,
31.6612


 97.3004, 129.4242,
85.0974

 27.7016, 41.3413,
20.8402


 124.4650,
162.6321, 111.2957

 18.2402, 28.5859,
12.8171


156.2664,
201.0838, 142.3847

 11.2233, 18.7677,
7.1735

193.0699,
245.1636, 178.7828

 6.2856, 11.5026,
3.4907

235.2408,
295.2558, 220.9087

 3.0618, 6.4059,
1.3503

283.1444,

 1.1865, 3.0935,

351.7450, 269.1809

0.1025

337.1462,
415.0154, 324.0179

0.0957, 1.1807,
0.0000

0.0000, 0.0459,
0.0000

55.4197, 77.2017,
45.6987

55.4197, 77.2017,
45.6987

49.0098, 74.1269,
35.1301

63.1460, 80.9100,
58.5781

43.8374, 71.6409,
26.7308

72.2502, 85.2739,
73.8882

39.8242, 69.7091,
20.3519

82.7970, 90.3266,
91.7470

36.8805, 68.2888,
15.8236

92.5523, 95.0045,
108.0674

■ 34.9036, 67.3312,
12.9483

■ 33.7702, 66.7782,
11.4836

■ 33.4490, 66.6208,
11.0962

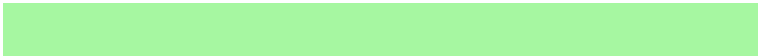
Harmonies

Analogous

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



64.8018, 77.2017, 32.5847



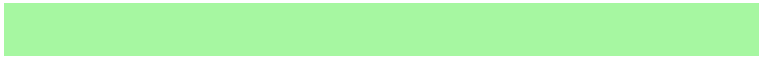
55.4197, 77.2017, 45.6987



51.0138, 77.2017, 72.6258

Triad

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



55.4197, 77.2017, 45.6987



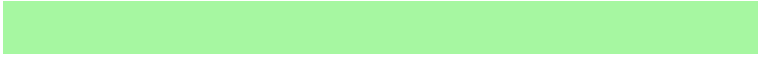
69.2687, 77.2017, 178.4862



99.9058, 77.2017, 60.9820

Complementary

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



55.4197, 77.2017, 45.6987



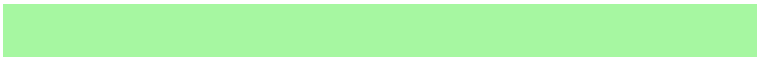
66.1546, 51.0847, 94.3733

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.



101.4759, 77.2017, 96.6343



55.4197, 77.2017, 45.6987



82.6791, 77.2017, 172.5376

Square

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



55.4197, 77.2017, 45.6987



58.3509, 77.2017, 153.8803



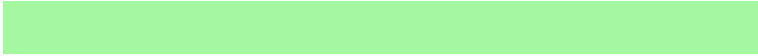
94.8485, 77.2017, 139.4672



90.7858, 77.2017, 39.3868

Rectangle

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



55.4197, 77.2017, 45.6987



51.0786, 77.2017, 98.1129



94.8485, 77.2017, 139.4672



101.3735, 77.2017, 71.4166

Sweetspot

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



55.4217, 77.2050, 45.7004



82.9220, 94.1911, 88.3055



76.3285, 85.4198, 46.1841



17.4114, 19.9992, 18.3302



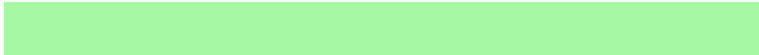
0.0000, 0.0000, 0.0000



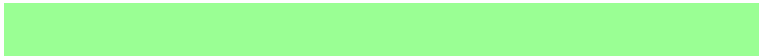
20.3446, 21.4041, 23.3091

Same Dimension

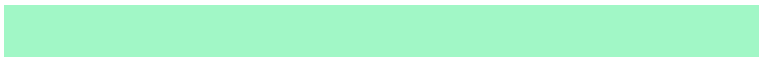
The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.4217, 77.2050, 45.7004



54.4476, 80.5373, 40.6510



58.1850, 78.1916, 65.6155



16.3713, 18.5180, 17.5090



17.7262, 35.2510, 5.8699



1.5887, 3.1141, 0.5173

Inverse Universe

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



66.1546, 51.0847, 94.3733



67.6110, 48.4669, 100.3993



62.7050, 49.9057, 67.1291



17.1129, 16.7164, 20.8672



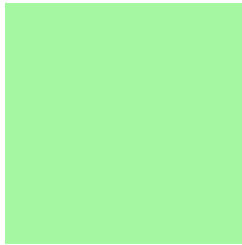
26.6323, 12.7038, 47.5864



2.3692, 1.1312, 4.1837

Previews

White Background



This preview shows how the XYZ color 55.4197, 77.2017, 45.6987 looks on a white background.

Color Contrast Check

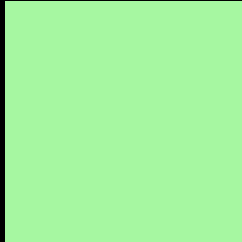
Large Text (above 18pt) WCAG AA × Fail

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 55.4197, 77.2017, 45.6987 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

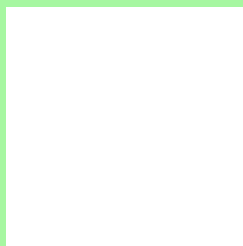
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.4197, 77.2017, 45.6987

Background



This preview shows how black text looks on a background with the XYZ color 55.4197, 77.2017, 45.6987.

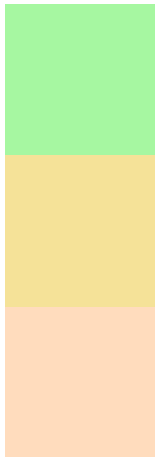


This preview shows how white text looks on a background with the XYZ color 55.4197, 77.2017,

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

55.4197, 77.2017, 45.6987

Protanopia

70.5200, 76.0722, 40.6724

Deuteranopia

76.0185, 76.1205, 58.8302



Tritanopia

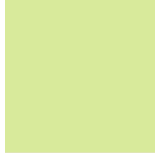
67.1262, 76.6397, 105.0209

Trichromacy



Original Color

55.4197, 77.2017, 45.6987



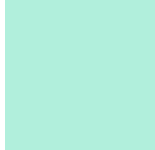
Protanomaly

63.6581, 75.8111, 42.2882



Deuteranomaly

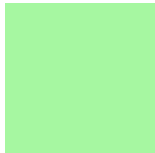
66.8649, 75.5363, 53.7036



Tritanomaly

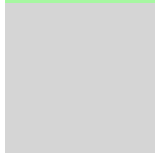
61.9162, 76.2474, 79.1640

Monochromacy



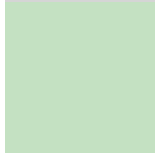
Original Color

55.4197, 77.2017, 45.6987



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

59.4278, 69.4812, 61.3180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.4197, 77.2017, 45.6987 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, 247, 161)` looks like.

```
.text, #text, p{  
    color:rgb(166, 247, 161)  
}
```

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, 247, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 247, 161) }
```

Border

The CSS property to change the border of an element to XYZ 55.4197, 77.2017, 45.6987 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, 247, 161) }
```


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

```
.border{ border-color:rgb(166, 247, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 247, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 247, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 247, 161);  
box-shadow:4px 4px 4px 4px rgb(166, 247,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 55.4197, 77.2017, 45.6987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 247, 161) }
```

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

```
.background{ background-color: rgb(166,  
247, 161) }
```

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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