

Converting Colors

XYZ(53.0602, 71.5840, 47.0993)

Have a look what the booklet for
XYZ(53.0602, 71.5840, 47.0993)
contains.

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Color

**XYZ(53.1035, 71.5370,
47.0856)**

Conversions

Conversions Part 1

Format	Color
Hex	A7EDA6
RGB	167, 237, 166
RGB Percent	65%, 93%, 65%
CMY	0.3451, 0.0706, 0.3490
CMYK	0.30, 0.00, 0.30, 0.07
HSL	119°, 66%, 79%
HSV	119°, 30%, 93%
XYZ	53.1035, 71.5370, 47.0856
YIQ	207.9760, -18.9290, -36.9210

Conversions

Conversions Part 2

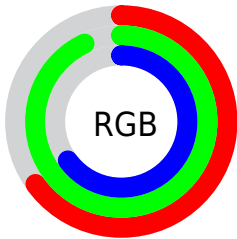
Format	Color
RYB	166, 237, 236
Decimal	11005350
CIELab	87.75, -35.37, 27.63
CIELCh	88, 44.879, 142.002
Yxy	71.5370, 0.3092, 0.4166
Android (android.graphics.Color)	4289195430 (0xFFA7EDA6)
YUV	207.9760, -20.6942, -35.9360
Hunter-Lab	84.5795, -35.9425, 26.1988

Details

The XYZ color **53.1035, 71.5370, 47.0856** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **63.5174, 51.2218, 86.6635**, and the grayscale version is **60.0789, 63.2077, 68.8332**.

A 20% lighter version of the original color is **79.5516, 92.5878, 82.0850**, and **26.3712, 37.7734, 21.8207** is the 20% darker color. If you saturate the color by 10%, you get **46.6286, 68.4296, 36.4608**, and if you desaturate by 10%, it is **60.8747, 75.2705, 59.8653**.

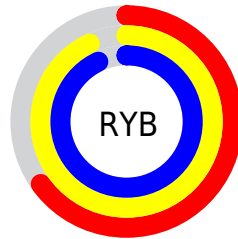
Distribution



Red (65%)

Green (93%)

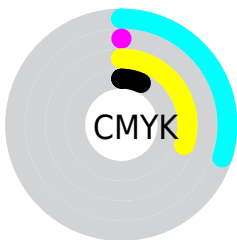
Blue (65%)



Red (65%)

Yellow (93%)

Blue (93%)

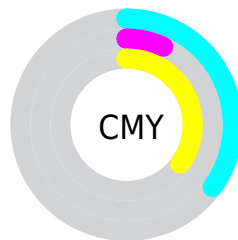


Cyan (30%)

Magenta (0%)

Yellow (30%)

Black (7%)



Cyan (35%)


Magenta (7%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.1035, 71.5370, 47.0856 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 53.1035, 71.5370, 47.0856 by changing the saturation by 10% instead.


 53.1035, 71.5370,
47.0856


 53.1035, 71.5370,
47.0856


388.9364,
465.9285, 391.5598

 38.1132, 52.7805,
32.7485


 93.9213, 121.3980,
87.1927

 26.2482, 37.6276,
21.6643


 120.4795,
153.2714, 113.7998

 17.1431, 25.6938,
13.4145

151.6244,
190.2859, 145.3339

 10.4325, 16.5947,
7.5805

187.7213,
232.8258, 182.2137

 5.7511, 9.9460,
3.7438

229.1356,
281.2757, 224.8576

 2.7335, 5.3631,
1.4859

276.2327,

 1.0145, 2.4619,

336.0198, 273.6843

0.2074

329.3778,
397.4426, 329.1121

■ 0.0000, 0.8574,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 53.1035, 71.5370,
47.0856

■ 53.1035, 71.5370,
47.0856

■ 46.6286, 68.4296,
36.4608

■ 60.8747, 75.2705,
59.8653

■ 41.3743, 65.9057,
27.8679

■ 70.0015, 79.6521,
74.9044

■ 37.2658, 63.9315,
21.1788

■ 80.5460, 84.7138,
92.3064

■ 34.2176, 62.4660,
16.2487

■ 89.5756, 89.0511,
107.0752

■ 32.1324, 61.4628,
12.9125

■ 30.8951, 60.8665,
10.9733

■ 30.3291, 60.5935,
10.1001

■ 30.3273, 60.5926,
10.0971

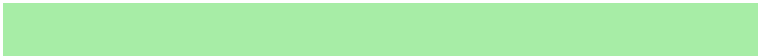
Harmonies

Analogous

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



60.6089, 71.5370, 35.1970



53.1035, 71.5370, 47.0856



49.6691, 71.5370, 70.0158

Triad

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



53.1035, 71.5370, 47.0856



65.1851, 71.5370, 151.5715



88.7956, 71.5370, 57.9264

Complementary

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



53.1035, 71.5370, 47.0856



63.5174, 51.2218, 86.6635

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.



90.3480, 71.5370, 86.3370



53.1035, 71.5370, 47.0856



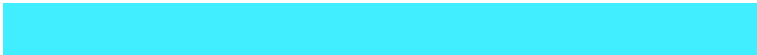
75.9554, 71.5370, 145.8776

Square

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



53.1035, 71.5370, 47.0856



56.1534, 71.5370, 133.8312



85.4358, 71.5370, 119.8481



81.3915, 71.5370, 40.2224

Rectangle

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



53.1035, 71.5370, 47.0856



49.8709, 71.5370, 90.7310



85.4358, 71.5370, 119.8481



90.0481, 71.5370, 66.3246

Sweetspot

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



53.1054, 71.5400, 47.0872



83.7325, 94.5673, 90.2213



71.7538, 80.6467, 47.8621



17.5584, 20.0667, 18.7112



0.0000, 0.0000, 0.0000



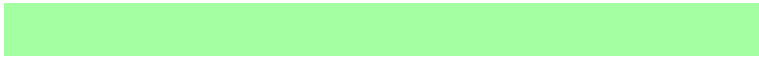
20.3446, 21.4041, 23.3091

Same Dimension

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



53.1054, 71.5400, 47.0872



57.8003, 82.1164, 47.5480



56.4747, 72.8635, 65.9275



14.8879, 16.8722, 15.9907



16.5659, 33.0845, 5.5128



1.3078, 2.6015, 0.4332

Inverse Universe

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



63.5174, 51.2218, 86.6635



71.9491, 54.5013, 101.3354



59.3055, 49.5755, 62.7478



15.6927, 15.3023, 19.0488



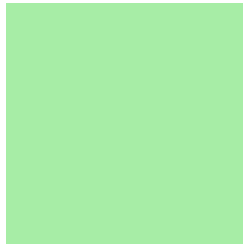
26.8213, 12.8628, 44.8121



2.1129, 1.0135, 3.5191

Previews

White Background



This preview shows how the XYZ color 53.1035, 71.5370, 47.0856 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 53.1035, 71.5370, 47.0856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

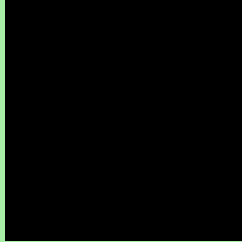
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.1035, 71.5370, 47.0856

Background



This preview shows how black text looks on a background with the XYZ color 53.1035, 71.5370, 47.0856.



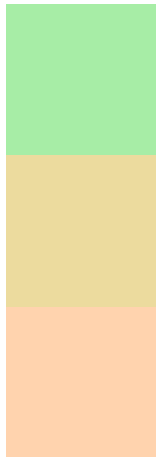
This preview shows how white text looks on a background with the XYZ color 53.1035, 71.5370,

47.0856.

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

53.1035, 71.5370, 47.0856

Protanopia

66.0951, 70.9645, 42.5617

Deuteranopia

72.1742, 70.9045, 49.9263



Tritanopia

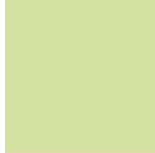
63.0066, 71.3545, 96.8382

Trichromacy



Original Color

53.1035, 71.5370, 47.0856



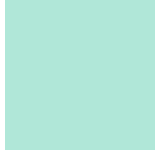
Protanomaly

60.4933, 70.8148, 44.1985



Deuteranomaly

63.3753, 69.8146, 48.6634



Tritanomaly

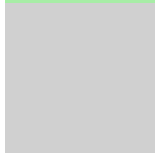
58.8751, 71.3398, 75.6327

Monochromacy



Original Color

53.1035, 71.5370, 47.0856



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

56.9495, 65.8507, 60.1610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.1035, 71.5370, 47.0856 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(167, 237, 166)` looks like.

```
.text, #text, p{  
    color:rgb(167, 237, 166)  
}
```

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(167, 237, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 237, 166) }
```

Border

The CSS property to change the border of an element to XYZ 53.1035, 71.5370, 47.0856 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(167, 237, 166) }
```


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

```
.border{ border-color:rgb(167, 237, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 237, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 237, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 237, 166); box-shadow:4px 4px 4px 4px rgb(167, 237, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 53.1035, 71.5370, 47.0856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 237, 166) }
```

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

```
.background{ background-color: rgb(167,  
237, 166) }
```

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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