

Converting Colors

XYZ(53.4977, 71.6736, 46.9872)

Have a look what the booklet for
XYZ(53.4977, 71.6736, 46.9872)
contains.

XYZ(53.5293, 71.7566, 47.1055)	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(53.5293, 71.7566,
47.1055)**

Conversions

Conversions Part 1

Format	Color
Hex	A9EDA6
RGB	169, 237, 166
RGB Percent	66%, 93%, 65%
CMY	0.3373, 0.0706, 0.3490
CMYK	0.29, 0.00, 0.30, 0.07
HSL	117°, 66%, 79%
HSV	117°, 30%, 93%
XYZ	53.5293, 71.7566, 47.1055
YIQ	208.5740, -17.7370, -36.4970

Conversions

Conversions Part 2

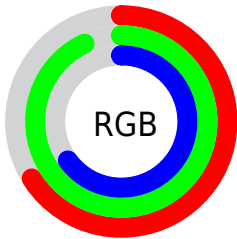
Format	Color
RYB	166, 237, 234
Decimal	11136422
CIELab	87.85, -34.73, 27.79
CIELCh	88, 44.477, 141.330
Yxy	71.7566, 0.3105, 0.4162
Android (android.graphics.Color)	4289326502 (0xFFA9EDA6)
YUV	208.5740, -20.9890, -34.7064
Hunter-Lab	84.7093, -35.4439, 26.3262

Details

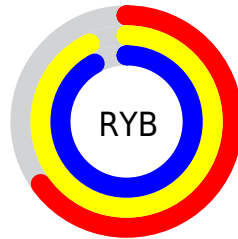
The XYZ color **53.5293, 71.7566, 47.1055** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.8572, 50.8815, 86.6328**, and the grayscale version is **60.4690, 63.6181, 69.2801**.

A 20% lighter version of the original color is **80.1752, 92.9092, 82.1142**, and **26.6314, 37.9075, 21.8328** is the 20% darker color. If you saturate the color by 10%, you get **47.0985, 68.6720, 36.4828**, and if you desaturate by 10%, it is **61.2099, 75.4434, 59.8810**.

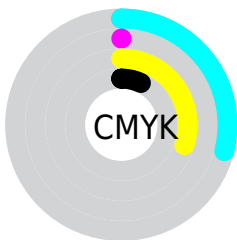
Distribution



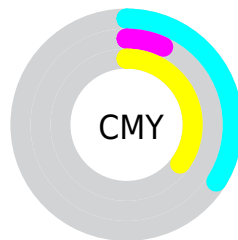
- Red (66%)
- Green (93%)
- Blue (65%)



- Red (65%)
- Yellow (93%)
- Blue (92%)



- Cyan (29%)
- Magenta (0%)
- Yellow (30%)
- Black (7%)




- Cyan (34%)
- Magenta (7%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.5293, 71.7566, 47.1055 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 53.5293, 71.7566, 47.1055 by changing the saturation by 10% instead.


 53.5293, 71.7566,
47.1055


 53.5293, 71.7566,
47.1055


390.5402,
466.6940, 391.6414

 38.4546, 52.9599,
32.7641


 94.5437, 121.7104,
87.2227

 26.5146, 37.7707,
21.6762


 121.2142,
153.6363, 113.8356

 17.3437, 25.8048,
13.4231


152.4807,
190.7073, 145.3761

 10.5766, 16.6777,
7.5864

188.7085,
233.3080, 182.2628

 5.8481, 10.0049,
3.7475

230.2630,
281.8225, 224.9141

 2.7927, 5.4022,
1.4879


277.5095,

 1.0451, 2.4851,


336.6355, 273.7486


0.2089


330.8135,
398.1311, 329.1849


 0.0000, 0.8692,
0.0000


 0.0000, 0.0000,
0.0000


 53.5293, 71.7566,
47.1055


 53.5293, 71.7566,
47.1055


 47.0985, 68.6720,
36.4828


 61.2099, 75.4434,
59.8810

 41.8462, 66.1491,
27.8900

 70.1956, 79.7523,
74.9135

 37.7026, 64.1567,
21.1992

 80.5452, 84.7134,
92.3064

 34.5879, 62.6571,
16.2660

 89.5756, 89.0513,
107.0752

■ 32.4121, 61.6071,
12.9255

■ 31.0694, 60.9565,
10.9815

■ 30.4127, 60.6367,
10.1040

■ 30.4109, 60.6359,
10.1011

Harmonies

Analogous

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



61.0717, 71.7566, 35.4772



53.5293, 71.7566, 47.1055



50.0144, 71.7566, 69.6788

Triad

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



53.5293, 71.7566, 47.1055



65.1837, 71.7566, 150.9794



88.9465, 71.7566, 58.8084

Complementary

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



53.5293, 71.7566, 47.1055



62.8572, 50.8815, 86.6328

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.



90.3387, 71.7566, 87.2399



53.5293, 71.7566, 47.1055



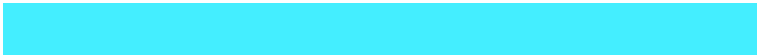
75.8678, 71.7566, 145.8824

Square

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



53.5293, 71.7566, 47.1055



56.2721, 71.7566, 132.9751



85.3384, 71.7566, 120.4487



81.7101, 71.7566, 40.9188

Rectangle

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



53.5293, 71.7566, 47.1055



50.1478, 71.7566, 90.1368



85.3384, 71.7566, 120.4487



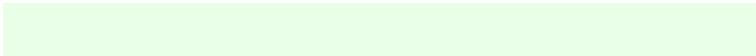
90.1411, 71.7566, 67.2412

Sweetspot

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



53.5312, 71.7596, 47.1071



83.9432, 94.6759, 90.2312



71.0777, 79.2943, 47.6366



17.6098, 20.0931, 18.7136



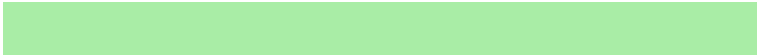
0.0000, 0.0000, 0.0000



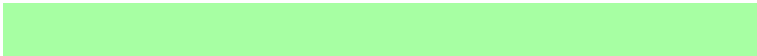
20.3446, 21.4041, 23.3091

Same Dimension

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



53.5312, 71.7596, 47.1071



58.3414, 82.3954, 47.5733



56.1997, 72.7536, 64.4788



14.9271, 16.8925, 15.9925



16.6298, 33.1174, 5.5158



1.3266, 2.6112, 0.4341

Inverse Universe

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



62.8572, 50.8815, 86.6328



71.0107, 54.0176, 101.2915



59.5893, 49.6890, 64.2419



15.6483, 15.2795, 19.0467



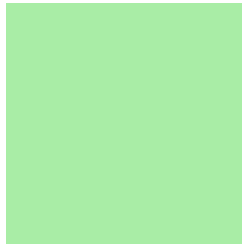
25.6686, 12.2686, 44.7582



2.0352, 0.9735, 3.5155

Previews

White Background



This preview shows how the XYZ color 53.5293, 71.7566, 47.1055 looks on a white background.

Color Contrast Check

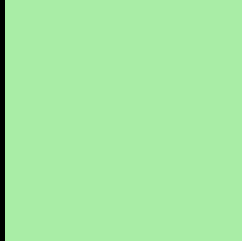
Large Text (above 18pt) WCAG AA × Fail

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 53.5293, 71.7566, 47.1055 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 53.5293, 71.7566, 47.1055

Background



This preview shows how black text looks on a background with the XYZ color 53.5293, 71.7566, 47.1055.



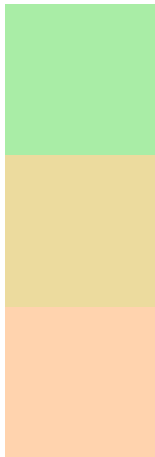
This preview shows how white text looks on a background with the XYZ color 53.5293, 71.7566,

47.1055.

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

53.5293, 71.7566, 47.1055

Protanopia

66.0951, 70.9645, 42.5617

Deuteranopia

72.1742, 70.9045, 49.9263



Tritanopia

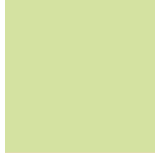
63.4790, 71.5980, 96.8603

Trichromacy



Original Color

53.5293, 71.7566, 47.1055



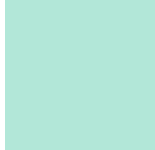
Protanomaly

60.7808, 70.9630, 44.2119



Deuteranomaly

63.6844, 69.9740, 48.6779



Tritanomaly

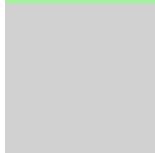
59.3307, 71.5747, 75.6540

Monochromacy



Original Color

53.5293, 71.7566, 47.1055



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

57.2053, 65.9826, 60.1730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.5293, 71.7566, 47.1055 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(169, 237, 166)` looks like.

```
.text, #text, p{  
    color:rgb(169, 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(169, 237, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 237, 166) }
```

Border

The CSS property to change the border of an element to XYZ 53.5293, 71.7566, 47.1055 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(169, 237, 166) }
```


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

```
.border{ border-color:rgb(169, 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(169, 237, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 237, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 237, 166);  
box-shadow:4px 4px 4px 4px rgb(169, 237,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 53.5293, 71.7566, 47.1055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 237, 166) }
```

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

```
.background{ background-color: rgb(169,  
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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