

Converting Colors

XYZ(53.6772, 80.7044, 37.1498)

Have a look what the booklet for
XYZ(53.6772, 80.7044, 37.1498)
contains.

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Color

**XYZ(53.3691, 80.0595,
37.0663)**

Conversions

Conversions Part 1

Format	Color
Hex	98FF8B
RGB	152, 255, 139
RGB Percent	60%, 100%, 55%
CMY	0.4039, 0.0000, 0.4549
CMYK	0.40, 0.00, 0.45, 0.00
HSL	113°, 100%, 77%
HSV	113°, 45%, 100%
XYZ	53.3691, 80.0595, 37.0663
YIQ	210.9790, -24.1520, -57.9120

Conversions

Conversions Part 2

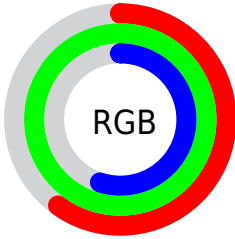
Format	Color
RYB	139, 255, 242
Decimal	10026891
CIELab	91.71, -51.78, 46.06
CIElCh	92, 69.300, 138.344
Yxy	80.0595, 0.3130, 0.4696
Android (android.graphics.Color)	4288216971 (0xFF98FF8B)
YUV	210.9790, -35.4856, -51.7246
Hunter-Lab	89.4760, -50.1143, 38.0717

Details

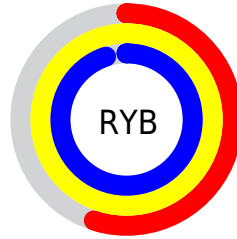
The XYZ color **53.3691, 80.0595, 37.0663** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **63.9019, 44.5639, 99.8414**, and the grayscale version is **62.1412, 65.3774, 71.1960**.

A 20% lighter version of the original color is **72.0759, 89.1167, 64.4414**, and **26.4899, 43.4397, 15.7926** is the 20% darker color. If you saturate the color by 10%, you get **47.8768, 77.4188, 28.1917**, and if you desaturate by 10%, it is **60.1057, 83.2913, 48.2696**.

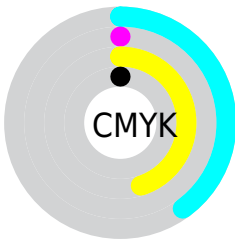
Distribution



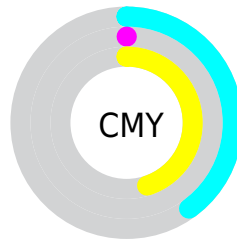
- Red (60%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (95%)



- Cyan (40%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.3691, 80.0595, 37.0663 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 53.3691, 80.0595, 37.0663 by changing the saturation by 10% instead.


 53.3691, 80.0595,
37.0663


 53.3691, 80.0595,
37.0663


389.9373,
495.1333, 348.7748


 38.3262, 59.7673,
24.9626


 94.3096, 133.4494,
71.8622

 26.4143, 43.2311,
15.8305


 120.9379,
167.3159, 95.3915

 17.2681, 30.0665,
9.2512


 152.1587,
206.4759, 123.5665

 10.5223, 19.8891,
4.8063

188.3373,
251.3139, 156.8056

 5.8115, 12.3144,
2.0773

229.8391,
302.2143, 195.5275

 2.7704, 6.9582,
0.6022

277.0295,

 1.0335, 3.4360,

359.5614, 240.1506

0.0000

330.2738,
423.7396, 291.0935

0.0000, 1.3634,
0.0000

0.0000, 0.1895,
0.0000

53.3691, 80.0595,
37.0663

53.3691, 80.0595,
37.0663

47.8768, 77.4188,
28.1917

60.1057, 83.2913,
48.2696

43.5508, 75.3328,
21.4785

68.1556, 87.1468,
61.9459

40.3060, 73.7615,
16.7432

77.5842, 91.6568,
78.2319

38.0450, 72.6594,
13.7700

88.4521, 96.8496,
97.2536

■ 36.6520, 71.9725, 95.0500, 100.0000,
12.2924 108.9000

■ 36.2547, 71.7750,
11.9432

Harmonies

Analogous

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



65.8662, 80.0595, 23.4781



53.3691, 80.0595, 37.0663



47.3630, 80.0595, 68.9037

Triad

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



53.3691, 80.0595, 37.0663



69.4152, 80.0595, 221.9308



113.2362, 80.0595, 59.9245

Complementary

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



53.3691, 80.0595, 37.0663



63.9019, 44.5639, 99.8414

Split Complementary

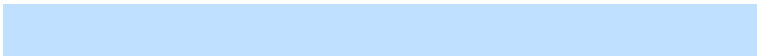
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



114.5824, 80.0595, 108.4117



53.3691, 80.0595, 37.0663



87.3297, 80.0595, 216.4826

Square

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



53.3691, 80.0595, 37.0663



55.6187, 80.0595, 182.3007



104.4977, 80.0595, 169.4514



101.0635, 80.0595, 32.6984

Rectangle

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



53.3691, 80.0595, 37.0663



47.1141, 80.0595, 102.1128



104.4977, 80.0595, 169.4514



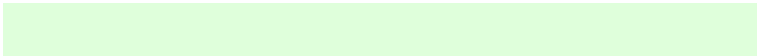
115.0324, 80.0595, 73.7632

Sweetspot

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



53.3695, 80.0596, 37.0675



79.1097, 92.3860, 80.8878



77.4942, 86.3116, 37.0028



16.4618, 19.5493, 16.4938



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

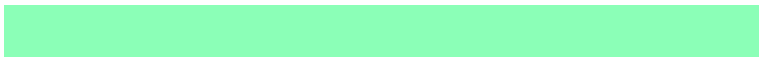
The Same Dimension uses a secret algorithm to generate beautiful new colors.



53.3695, 80.0596, 37.0675



48.1176, 77.5347, 28.5740



55.0041, 80.4477, 57.6849



17.9605, 20.2655, 19.1094



19.0038, 37.5349, 6.2434



1.9087, 3.6848, 0.6106

Inverse Universe

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



63.9019, 44.5639, 99.8414



59.8452, 37.8249, 98.7545



62.1727, 44.4060, 66.6169



18.5804, 18.1909, 22.7819



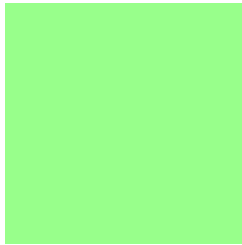
25.9703, 12.2987, 50.4397



2.5833, 1.2257, 4.9137

Previews

White Background



This preview shows how the XYZ color 53.3691, 80.0595, 37.0663 looks on a white background.

Color Contrast Check

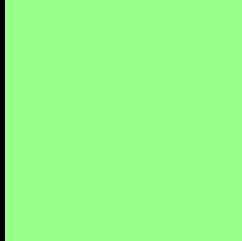
Large Text (above 18pt) WCAG AA × Fail

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 53.3691, 80.0595, 37.0663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

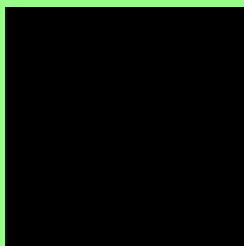
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

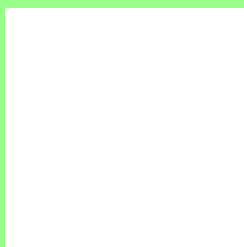
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.3691, 80.0595, 37.0663

Background



This preview shows how black text looks on a background with the XYZ color 53.3691, 80.0595, 37.0663.

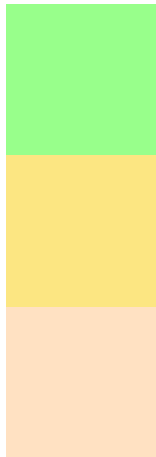


This preview shows how white text looks on a background with the XYZ color 53.3691, 80.0595,

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

53.3691, 80.0595, 37.0663

Protanopia

72.4710, 78.9008, 32.5288

Deuteranopia

77.9028, 79.0055, 62.1826



Tritanopia

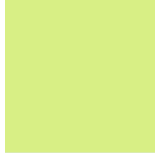
69.4100, 79.5178, 106.2979

Trichromacy



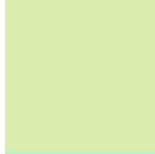
Original Color

53.3691, 80.0595, 37.0663



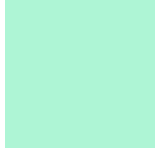
Protanomaly

63.4190, 78.0254, 33.9082



Deuteranomaly

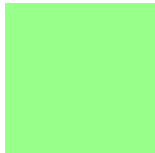
66.5489, 77.9523, 51.5832



Tritanomaly

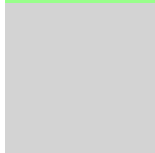
62.1182, 79.1076, 74.9461

Monochromacy



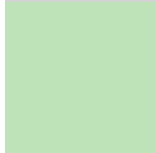
Original Color

53.3691, 80.0595, 37.0663



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

57.4612, 69.3881, 56.2637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.3691, 80.0595, 37.0663 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(152, 255, 139)` looks like.

```
.text, #text, p{  
    color:rgb(152, 255, 139)  
}
```

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(152, 255, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 255, 139) }
```

Border

The CSS property to change the border of an element to XYZ 53.3691, 80.0595, 37.0663 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(152, 255, 139) }
```


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

```
.border{ border-color:rgb(152, 255, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 255, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 255, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 255, 139);  
box-shadow:4px 4px 4px 4px rgb(152, 255,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 53.3691, 80.0595, 37.0663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 255, 139) }
```

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

```
.background{ background-color: rgb(152,  
255, 139) }
```

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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