

Converting Colors

XYZ(53.8569, 38.3682, 89.3725)

Have a look what the booklet for
XYZ(53.8569, 38.3682, 89.3725)
contains.

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Color

**XYZ(53.7786, 38.3062,
89.3534)**

Conversions

Conversions Part 1

Format	Color
Hex	DB85F3
RGB	219, 133, 243
RGB Percent	86%, 52%, 95%
CMY	0.1412, 0.4784, 0.0471
CMYK	0.10, 0.45, 0.00, 0.05
HSL	287°, 82%, 74%
HSV	287°, 45%, 95%
XYZ	53.7786, 38.3062, 89.3534
YIQ	171.2540, 15.9460, 52.4420

Conversions

Conversions Part 2

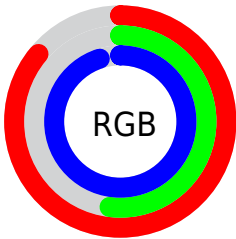
Format	Color
R _Y B	219, 133, 243
Decimal	14386675
CIE Lab	68.25, 50.42, -42.00
CIE LCh	68, 65.619, 320.209
Yxy	38.3062, 0.2964, 0.2111
Android (android.graphics.Color)	4292576755 (0xFFDB85F3)
YUV	171.2540, 35.3708, 41.8732
Hunter-Lab	61.8920, 46.7895, -42.2725

Details

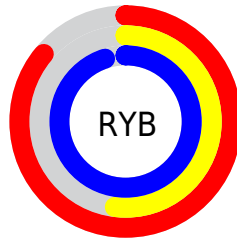
The XYZ color **53.7786, 38.3062, 89.3534** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **50.1901, 72.9636, 33.6301**, and the grayscale version is **38.6597, 40.6730, 44.2929**.

A 20% lighter version of the original color is **77.2732, 64.4464, 102.9744**, and **26.6319, 16.9639, 48.3251** is the 20% darker color. If you saturate the color by 10%, you get **49.2591, 31.5965, 88.2971**, and if you desaturate by 10%, it is **59.1211, 46.5842, 90.6702**.

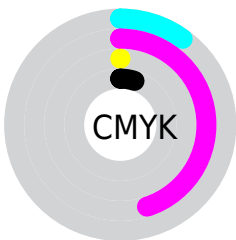
Distribution



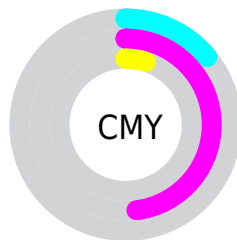
- Red (86%)
- Green (52%)
- Blue (95%)



- Red (86%)
- Yellow (52%)
- Blue (95%)



- Cyan (10%)
- Magenta (45%)
- Yellow (0%)
- Black (5%)





- Cyan (14%)
- Magenta (48%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.7786, 38.3062, 89.3534 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 53.7786, 38.3062, 89.3534 by changing the saturation by 10% instead.


 53.7786, 38.3062,
89.3534


 53.7786, 38.3062,
89.3534

391.4773,
338.9317, 546.4410


 38.6546, 26.2204,
66.8738

 94.9079, 72.5772,
148.3676

 26.6707, 16.9886,
48.5211


 121.6439, 95.5313,
185.7392

 17.4614, 10.2264,
33.8768


 152.9814,
122.8768, 228.9120

 10.6613, 5.5493,
22.5224

189.2856,
154.9983, 278.3043

 5.9052, 2.5730,
14.0393

230.9220,
192.2802, 334.3349

 2.8276, 0.9131,
8.0089

278.2558,

 1.0633, 0.0000,

235.1068, 397.4221

4.0128

331.6525,
283.8625, 467.9847

■ 0.0000, 0.0000,
1.6324

■ 0.0000, 0.0000,
0.3138

■ 53.7786, 38.3062,
89.3534

■ 53.7786, 38.3062,
89.3534

■ 49.2591, 31.5965,
88.2971

■ 59.1211, 46.5842,
90.6702

■ 45.5042, 26.3425,
87.4809

■ 65.3316, 56.5232,
92.2613

■ 42.4541, 22.4239,
86.8853

■ 72.4565, 68.2143,
94.1424

■ 40.0374, 19.6990,
86.4867

■ 80.5378, 81.7408,
96.3273

■ 38.1667, 17.9932,
86.2560

■ 89.6147, 97.1802,
98.8290

■ 37.4088, 17.4161,
86.1846

■ 91.6539, 98.4655,
98.9697

■ 93.1778, 99.2511,
99.0410

Harmonies

Analogous

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



43.6619, 38.3062, 120.4246



53.7786, 38.3062, 89.3534



59.5285, 38.3062, 52.0788

Triad

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



53.7786, 38.3062, 89.3534



39.8695, 38.3062, 7.1232



20.8497, 38.3062, 64.4426

Complementary

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



53.7786, 38.3062, 89.3534



50.1901, 72.9636, 33.6301

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.



20.2165, 38.3062, 32.8160



53.7786, 38.3062, 89.3534



30.0072, 38.3062, 7.9727

Square

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



53.7786, 38.3062, 89.3534



50.5580, 38.3062, 11.6067



23.2509, 38.3062, 14.9835



25.1815, 38.3062, 101.9666

Rectangle

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



53.7786, 38.3062, 89.3534



59.4938, 38.3062, 32.4705



23.2509, 38.3062, 14.9835



20.2334, 38.3062, 52.5519

Sweetspot

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



53.7800, 38.3078, 89.3542



81.8921, 77.8523, 105.3186



38.1929, 36.1411, 89.7575



17.1351, 16.0115, 22.4374



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.



53.7800, 38.3078, 89.3542



55.4842, 36.0132, 98.6346



57.4459, 40.6693, 68.2188



16.8392, 16.5753, 20.8544



20.6506, 9.6201, 47.3065



1.9005, 0.8896, 4.1618

Inverse Universe

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



51.4367, 38.2656, 36.5748



52.9297, 36.1700, 31.9369



48.2760, 71.7092, 45.6365



16.6471, 16.5417, 17.8883



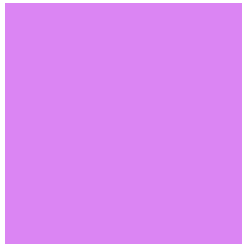
20.6797, 10.6153, 3.0217



1.8543, 0.9477, 0.4591

Previews

White Background



This preview shows how the XYZ color 53.7786, 38.3062, 89.3534 looks on a white background.

Color Contrast Check

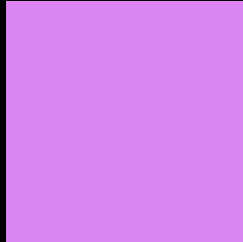
Large Text (above 18pt) WCAG AA × Fail

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 53.7786, 38.3062, 89.3534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

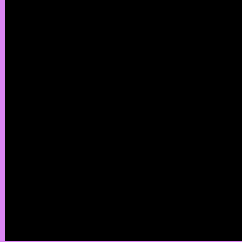
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.7786, 38.3062, 89.3534

Background



This preview shows how black text looks on a background with the XYZ color 53.7786, 38.3062, 89.3534.



This preview shows how white text looks on a background with the XYZ color 53.7786, 38.3062,

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

53.7786, 38.3062, 89.3534

Protanopia

41.1570, 38.8393, 99.9353

Deuteranopia

39.7257, 38.6874, 85.4944



Tritanopia

43.6899, 38.1875, 39.7185

Trichromacy



Original Color

53.7786, 38.3062, 89.3534



Protanomaly

44.3209, 37.7468, 96.2167



Deuteranomaly

43.3334, 37.4495, 86.6059



Tritanomaly

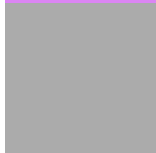
46.6391, 37.7493, 54.6974

Monochromacy



Original Color

53.7786, 38.3062, 89.3534



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

42.8741, 38.8365, 58.0598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.7786, 38.3062, 89.3534 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(219, 133, 243)` looks like.

```
.text, #text, p{  
    color:rgb(219, 133, 243)  
}
```

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(219, 133, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 133, 243) }
```

Border

The CSS property to change the border of an element to XYZ 53.7786, 38.3062, 89.3534 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(219, 133, 243) }
```


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

```
.border{ border-color:rgb(219, 133, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 133, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 133, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 133, 243);  
box-shadow:4px 4px 4px 4px rgb(219, 133,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 53.7786, 38.3062, 89.3534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 133, 243) }
```

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

```
.background{ background-color: rgb(219,  
133, 243) }
```

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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