

Converting Colors

XYZ(68.0254, 50.2001, 86.7919)

Have a look what the booklet for
XYZ(68.0254, 50.2001, 86.7919)
contains.

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Color

**XYZ(68.0638, 50.2155,
86.9941)**

Conversions

Conversions Part 1

Format	Color
Hex	FF99EE
RGB	255, 153, 238
RGB Percent	100%, 60%, 93%
CMY	0.0000, 0.4000, 0.0667
CMYK	0.00, 0.40, 0.07, 0.00
HSL	310°, 100%, 80%
HSV	310°, 40%, 100%
XYZ	68.0638, 50.2155, 86.9941
YIQ	193.1880, 33.5070, 48.0590

Conversions

Conversions Part 2

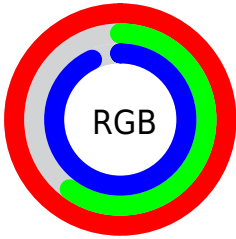
Format	Color
R_{YB}	255, 153, 238
Decimal	16751086
CIE _{Lab}	76.20, 49.91, -26.62
CIE _{LCh}	76, 56.565, 331.931
Yxy	50.2155, 0.3316, 0.2446
Android (android.graphics.Color)	4294941166 (0xFFFF99EE)
YUV	193.1880, 22.0923, 54.2091
Hunter-Lab	70.8629, 47.4392, -23.1827

Details

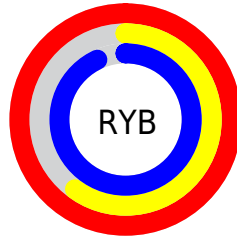
The XYZ color **68.0638, 50.2155, 86.9941** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **56.1542, 81.1954, 50.7455**, and the grayscale version is **50.6607, 53.2990, 58.0426**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **35.9313, 24.1714, 47.0277** is the 20% darker color. If you saturate the color by 10%, you get **63.7104, 42.4960, 82.4990**, and if you desaturate by 10%, it is **73.3260, 59.7285, 91.8662**.

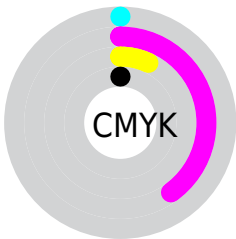
Distribution



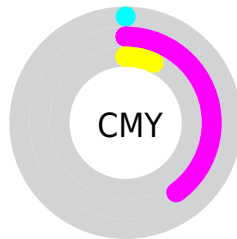
- Red (100%)
- Green (60%)
- Blue (93%)



- Red (100%)
- Yellow (60%)
- Blue (93%)



- Cyan (0%)
- Magenta (40%)
- Yellow (7%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.0638, 50.2155, 86.9941 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 68.0638, 50.2155, 86.9941 by changing the saturation by 10% instead.


 68.0638, 50.2155,
86.9941


 68.0638, 50.2155,
86.9941


443.0952,
387.5081, 538.5192

 50.2235, 35.5847,
64.9307

 115.4848, 90.4941,
145.0547

 35.8095, 24.1136,
46.9539


 145.7963,
116.9106, 181.8890

 24.4566, 15.4179,
32.6451


180.9954,
148.0245, 224.4841

 15.7992, 9.1132,
21.5859

221.4477,
184.2202, 273.2584

 9.4721, 4.8151,
13.3575

267.5185,
225.8819, 328.6305

 5.1100, 2.1392,
7.5416

319.5731,

 2.3473, 0.6865,

273.3943, 391.0190

3.7195

377.9769,
327.1415, 460.8424

■ 0.8187, 0.0000,
1.4728

■ 0.0000, 0.0000,
0.1975

■ 68.0638, 50.2155,
86.9941

■ 68.0638, 50.2155,
86.9941

■ 63.7104, 42.4960,
82.4990

■ 73.3260, 59.7285,
91.8662

■ 60.2049, 36.4491,
78.3581

■ 79.5459, 71.1333,
97.1300

■ 57.4843, 31.9488,
74.5506

■ 86.7729, 84.5285,
102.8033

■ 55.4753, 28.8487,
71.0516

95.0500, 100.0000,
108.9000

■ 54.0905, 26.9739,
67.8313

■ 53.1870, 26.0389,
64.8417

■ 53.1868, 26.0387,
64.8410

Harmonies

Analogous

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



59.3387, 50.2155, 120.6746



68.0638, 50.2155, 86.9941



71.1310, 50.2155, 52.7332

Triad

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



68.0638, 50.2155, 86.9941



47.0450, 50.2155, 14.6291



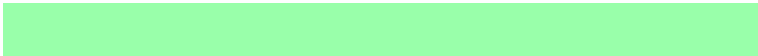
32.4376, 50.2155, 91.7192

Complementary

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



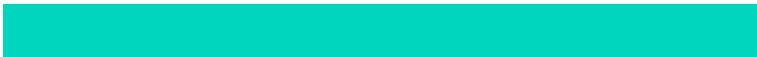
68.0638, 50.2155, 86.9941



56.1542, 81.1954, 50.7455

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.



30.1203, 50.2155, 56.6663



68.0638, 50.2155, 86.9941



37.7407, 50.2155, 18.5948

Square

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



68.0638, 50.2155, 86.9941



57.9742, 50.2155, 17.6531



31.9097, 50.2155, 31.5545



38.7669, 50.2155, 124.0388

Rectangle

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



68.0638, 50.2155, 86.9941



69.2390, 50.2155, 35.6460



31.9097, 50.2155, 31.5545



31.2097, 50.2155, 79.5002

Sweetspot

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



68.0650, 50.2176, 86.9951



85.2429, 81.6824, 101.6337



46.0209, 38.5511, 99.6233



18.0367, 17.0956, 21.5924



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.



68.0650, 50.2176, 86.9951



64.5105, 43.9008, 83.3681



61.6023, 47.6325, 52.9632



18.6550, 18.2453, 22.0663



27.8394, 13.6250, 34.1342



2.7436, 1.3398, 3.4972

Inverse Universe

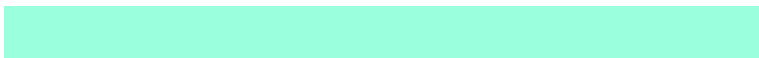
The Inverse Universe completely reimagines the original color for something new.



68.0650, 50.2176, 86.9951



64.5105, 43.9008, 83.3681



61.9494, 83.5135, 81.2627



18.6550, 18.2453, 22.0663



27.8394, 13.6250, 34.1342



2.7436, 1.3398, 3.4972

Previews

White Background



This preview shows how the XYZ color 68.0638, 50.2155, 86.9941 looks on a white background.

Color Contrast Check

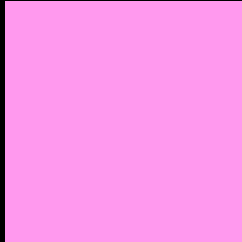
Large Text (above 18pt) WCAG AA × Fail

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 68.0638, 50.2155, 86.9941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

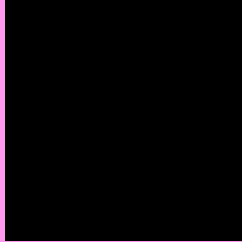
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.0638, 50.2155, 86.9941

Background



This preview shows how black text looks on a background with the XYZ color 68.0638, 50.2155, 86.9941.



This preview shows how white text looks on a background with the XYZ color 68.0638, 50.2155,

86.9941.

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

68.0638, 50.2155, 86.9941

Protanopia

51.7574, 50.6626, 101.6587

Deuteranopia

51.4731, 50.2975, 83.3394



Tritanopia

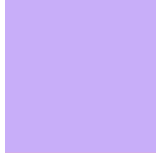
60.2024, 50.0811, 48.6131

Trichromacy



Original Color

68.0638, 50.2155, 86.9941



Protanomaly

56.0544, 49.3910, 96.2016



Deuteranomaly

56.3732, 49.5293, 84.4308



Tritanomaly

62.9539, 50.1691, 61.0092

Monochromacy



Original Color

68.0638, 50.2155, 86.9941



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

55.7479, 51.0432, 67.2357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0638, 50.2155, 86.9941 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(255, 153, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 238)  
}
```

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(255, 153, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 238) }
```

Border

The CSS property to change the border of an element to XYZ 68.0638, 50.2155, 86.9941 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(255, 153, 238) }
```


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

```
.border{ border-color:rgb(255, 153, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0638, 50.2155, 86.9941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 238) }
```

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

```
.background{ background-color: rgb(255,  
153, 238) }
```

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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