

Converting Colors

XYZ(66.8641, 50.4121, 78.5904)

Have a look what the booklet for
XYZ(66.8641, 50.4121, 78.5904)
contains.

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Color

**XYZ(66.9936, 50.5830,
78.9056)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9CE3
RGB	255, 156, 227
RGB Percent	100%, 61%, 89%
CMY	0.0000, 0.3882, 0.1098
CMYK	0.00, 0.39, 0.11, 0.00
HSL	317°, 100%, 81%
HSV	317°, 39%, 100%
XYZ	66.9936, 50.5830, 78.9056
YIQ	193.6950, 36.2130, 43.0690

Conversions

Conversions Part 2

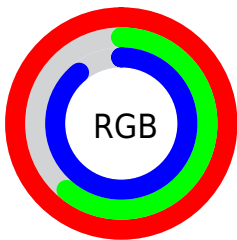
Format	Color
R_{YB}	255, 156, 227
Decimal	16751843
CIE _{Lab}	76.43, 46.59, -20.29
CIE _{LCh}	76, 50.814, 336.467
Yxy	50.5830, 0.3410, 0.2574
Android (android.graphics.Color)	4294941923 (0xFFFF9CE3)
YUV	193.6950, 16.4194, 53.7645
Hunter-Lab	71.1217, 43.6763, -15.9937

Details

The XYZ color **66.9936, 50.5830, 78.9056** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **58.1238, 82.0495, 58.1240**, and the grayscale version is **50.9903, 53.6458, 58.4203**.

A 20% lighter version of the original color is **82.8335, 75.5670, 104.8278**, and **35.2237, 24.3516, 41.8736** is the 20% darker color. If you saturate the color by 10%, you get **62.1804, 42.5164, 72.4927**, and if you desaturate by 10%, it is **72.7489, 60.4668, 85.8396**.

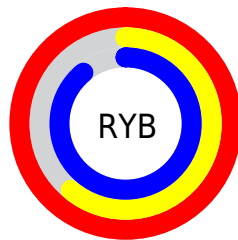
Distribution



Red (100%)

Green (61%)

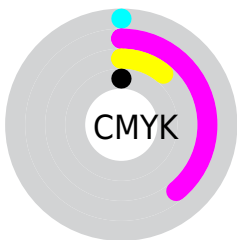
Blue (89%)



Red (100%)

Yellow (61%)

Blue (89%)

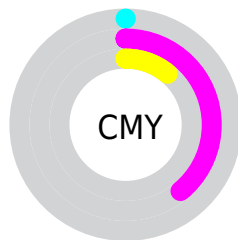


Cyan (0%)

Magenta (39%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (39%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.9936, 50.5830, 78.9056 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 66.9936, 50.5830, 78.9056 by changing the saturation by 10% instead.


 66.9936, 50.5830,
78.9056


 66.9936, 50.5830,
78.9056


439.3548,
388.9415, 510.8461

 49.3501, 35.8769,
58.2973

 113.9611, 91.0381,
133.6234

 35.1130, 24.3391,
41.6315


 144.0158,
117.5558, 168.5701

 23.9168, 15.5854,
28.4894


178.9383,
148.7795, 209.1332

 15.3963, 9.2312,
18.4527

219.0939,
185.0936, 255.7315

 9.1861, 4.8923,
11.1027

264.8480,
226.8824, 308.7834

 4.9209, 2.1842,
6.0209

316.5660,

 2.2352, 0.7114,

274.5304, 368.7074

2.7888

374.6131,
328.4220, 435.9221

■ 0.7612, 0.0000,
0.9878

■ 0.0000, 0.0000,
0.0000

■ 66.9936, 50.5830,
78.9056

■ 66.9936, 50.5830,
78.9056

■ 62.1804, 42.5164,
72.4927

■ 72.7489, 60.4668,
85.8396

■ 58.2487, 36.1470,
66.5762

■ 79.4952, 72.2650,
93.3115

■ 55.1361, 31.3507,
61.1335

■ 87.2818, 86.0756,
101.3407

■ 52.7700, 27.9831,
56.1378

95.0500, 100.0000,
108.9000

■ 51.0646, 25.8736,
51.5579

■ 49.8958, 24.7745,
47.3496

■ 49.7744, 24.6738,
46.8716

Harmonies

Analogous

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



59.8617, 50.5830, 109.2419



66.9936, 50.5830, 78.9056



68.7720, 50.5830, 49.3531

Triad

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



66.9936, 50.5830, 78.9056



46.0353, 50.5830, 17.5599



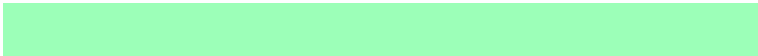
34.7485, 50.5830, 92.7008

Complementary

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



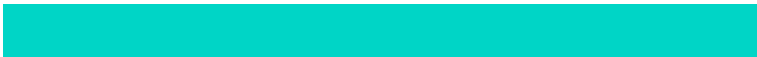
66.9936, 50.5830, 78.9056



58.1238, 82.0495, 58.1240

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.



32.0167, 50.5830, 61.2257



66.9936, 50.5830, 78.9056



37.9514, 50.5830, 22.6420

Square

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



66.9936, 50.5830, 78.9056



55.8036, 50.5830, 19.5172



33.1065, 50.5830, 36.6039



41.0998, 50.5830, 118.8795

Rectangle

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



66.9936, 50.5830, 78.9056



66.4983, 50.5830, 34.7739



33.1065, 50.5830, 36.6039



33.4177, 50.5830, 82.0527

Sweetspot

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



66.9948, 50.5851, 78.9066



84.6909, 81.4616, 98.7268



49.3266, 40.9934, 99.9205



17.9062, 17.0434, 20.9053



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.



66.9948, 50.5851, 78.9066



62.9897, 43.8557, 73.6230



61.2768, 48.2979, 48.7962



18.5607, 18.2076, 21.5698



26.0755, 12.9195, 24.8456



2.5858, 1.2767, 2.6660

Inverse Universe

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



66.9948, 50.5851, 78.9066



62.9897, 43.8557, 73.6230



64.0230, 84.4091, 89.1888



18.5607, 18.2076, 21.5698



26.0755, 12.9195, 24.8456



2.5858, 1.2767, 2.6660

Previews

White Background



This preview shows how the XYZ color 66.9936, 50.5830, 78.9056 looks on a white background.

Color Contrast Check

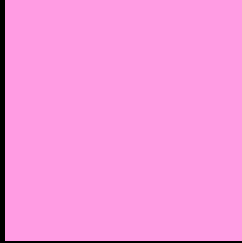
Large Text (above 18pt) WCAG AA × Fail

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 66.9936, 50.5830, 78.9056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

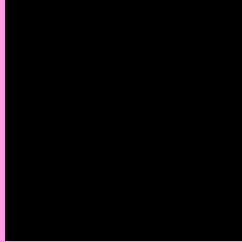
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.9936, 50.5830, 78.9056

Background



This preview shows how black text looks on a background with the XYZ color 66.9936, 50.5830, 78.9056.



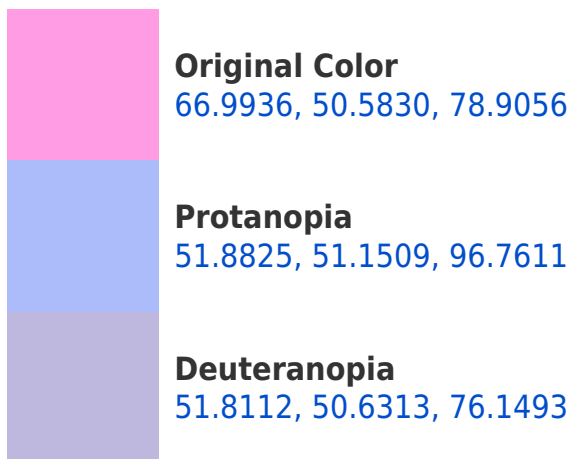
This preview shows how white text looks on a background with the XYZ color 66.9936, 50.5830,

78.9056.

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





Tritanopia

60.7390, 50.6265, 48.6901

Trichromacy



Original Color

66.9936, 50.5830, 78.9056



Protanomaly

55.7596, 49.9581, 89.9231



Deuteranomaly

56.3222, 49.9501, 77.1938



Tritanomaly

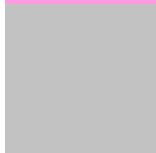
62.6678, 50.3354, 58.6373

Monochromacy



Original Color

66.9936, 50.5830, 78.9056



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

55.7807, 51.6977, 65.4312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.9936, 50.5830, 78.9056 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, 156, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 227)  
}
```

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, 156, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 227) }
```

Border

The CSS property to change the border of an element to XYZ 66.9936, 50.5830, 78.9056 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, 156, 227) }
```


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

```
.border{ border-color:rgb(255, 156, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 156, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 66.9936, 50.5830, 78.9056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 156, 227) }
```

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

```
.background{ background-color: rgb(255,  
156, 227) }
```

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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