

Converting Colors

XYZ(66.1664, 51.7653, 69.8849)

Have a look what the booklet for
XYZ(66.1664, 51.7653, 69.8849)
contains.

XYZ(66.2979, 51.9557, 70.1525)	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(66.2979, 51.9557,
70.1525)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA2D6
RGB	255, 162, 214
RGB Percent	100%, 64%, 84%
CMY	0.0000, 0.3647, 0.1608
CMYK	0.00, 0.36, 0.16, 0.00
HSL	326°, 100%, 82%
HSV	326°, 36%, 100%
XYZ	66.2979, 51.9557, 70.1525
YIQ	195.7350, 38.7360, 35.8880

Conversions

Conversions Part 2

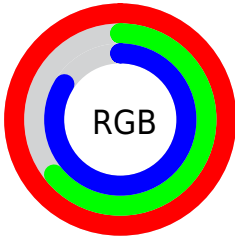
Format	Color
R _Y B	255, 162, 214
Decimal	16753366
CIE Lab	77.25, 41.47, -11.96
CIE LCh	77, 43.159, 343.918
Yxy	51.9557, 0.3519, 0.2758
Android (android.graphics.Color)	4294943446 (0xFFFFA2D6)
YUV	195.7350, 9.0046, 51.9754
Hunter-Lab	72.0803, 38.0399, -7.2481

Details

The XYZ color **66.2979, 51.9557, 70.1525** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **61.4417, 83.5141, 69.3848**, and the grayscale version is **52.2434, 54.9642, 59.8560**.

A 20% lighter version of the original color is **84.3614, 78.6228, 105.3371**, and **34.7526, 25.3108, 35.8547** is the 20% darker color. If you saturate the color by 10%, you get **60.8664, 43.3116, 61.5011**, and if you desaturate by 10%, it is **72.7418, 62.4654, 79.6315**.

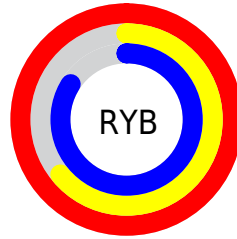
Distribution



Red (100%)

Green (64%)

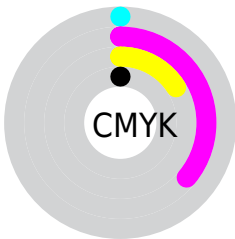
Blue (84%)



Red (100%)

Yellow (64%)

Blue (84%)

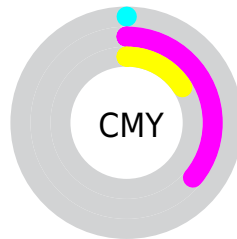


Cyan (0%)

Magenta (36%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.2979, 51.9557, 70.1525 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 66.2979, 51.9557, 70.1525 by changing the saturation by 10% instead.


 66.2979, 51.9557,
70.1525


 66.2979, 51.9557,
70.1525


436.9134,
394.2656, 479.8889

 48.7829, 36.9698,
51.1733


 112.9692, 93.0659,
121.1094

 34.6611, 25.1841,
35.9689


 142.8561,
119.9590, 153.9241

 23.5672, 16.2143,
24.1206


177.5977,
151.5899, 192.1878

 15.1359, 9.6759,
15.2101

217.5593,
188.3430, 236.3189

 9.0017, 5.1846,
8.8187

263.1064,
230.6027, 286.7360

 4.7994, 2.3560,
4.5279

314.6042,

 2.1636, 0.8031,

278.7534, 343.8577

1.9192

372.4180,
333.1796, 408.1025

■ 0.7235, 0.0000,
0.5049

■ 0.0000, 0.0000,
0.0000

■ 66.2979, 51.9557,
70.1525

■ 66.2979, 51.9557,
70.1525

■ 60.8664, 43.3116,
61.5011

■ 72.7418, 62.4654,
79.6315

■ 56.3860, 36.4146,
53.6454

■ 80.2469, 74.9361,
89.9621

■ 52.7946, 31.1435,
46.5551

■ 88.8633, 89.4648,
101.1709

■ 50.0206, 27.3581,
40.1958

95.0500, 100.0000,
108.9000

■ 47.9800, 24.8946,
34.5289

■ 46.5687, 23.5479,
29.5083

■ 46.1658, 23.2303,
27.8691

Harmonies

Analogous

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



61.2579, 51.9557, 96.1411



66.2979, 51.9557, 70.1525



66.4874, 51.9557, 46.3056

Triad

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



66.2979, 51.9557, 70.1525



45.6542, 51.9557, 22.8727



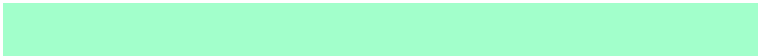
38.7874, 51.9557, 94.4185

Complementary

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



66.2979, 51.9557, 70.1525



61.4417, 83.5141, 69.3848

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.



35.4956, 51.9557, 68.2512



66.2979, 51.9557, 70.1525



39.1502, 51.9557, 29.6914

Square

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



66.2979, 51.9557, 70.1525



53.9212, 51.9557, 23.1171



35.6206, 51.9557, 44.8662



45.1056, 51.9557, 112.6054

Rectangle

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



66.2979, 51.9557, 70.1525



63.7937, 51.9557, 34.7679



35.6206, 51.9557, 44.8662



37.3233, 51.9557, 85.9892

Sweetspot

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



66.2992, 51.9580, 70.1535



84.8177, 82.6198, 95.9808



55.4108, 45.6618, 100.5009



17.9052, 17.2638, 20.2191



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.



66.2992, 51.9580, 70.1535



62.1164, 45.2785, 63.5614



61.2485, 49.9377, 43.5572



18.4347, 18.1572, 20.9061



24.1990, 12.1689, 14.9645



2.4112, 1.2068, 1.7466

Inverse Universe

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



66.2992, 51.9580, 70.1535



62.1164, 45.2785, 63.5614



67.7293, 86.0291, 102.4950



18.4347, 18.1572, 20.9061



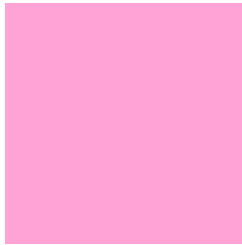
24.1990, 12.1689, 14.9645



2.4112, 1.2068, 1.7466

Previews

White Background



This preview shows how the XYZ color 66.2979, 51.9557, 70.1525 looks on a white background.

Color Contrast Check

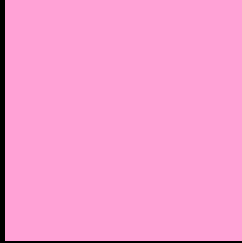
Large Text (above 18pt) WCAG AA × Fail

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 66.2979, 51.9557, 70.1525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

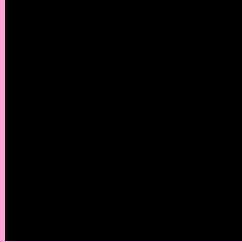
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.2979, 51.9557, 70.1525

Background



This preview shows how black text looks on a background with the XYZ color 66.2979, 51.9557, 70.1525.



This preview shows how white text looks on a background with the XYZ color 66.2979, 51.9557,

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

66.2979, 51.9557, 70.1525

Protanopia

52.0545, 52.1665, 83.6695

Deuteranopia

53.2792, 52.1885, 68.2380



Tritanopia

62.1268, 51.8507, 50.4498

Trichromacy



Original Color

66.2979, 51.9557, 70.1525



Protanomaly

56.0052, 51.2318, 78.1711



Deuteranomaly

57.2988, 51.5196, 68.5523



Tritanomaly

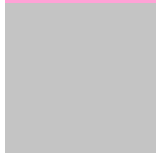
63.4067, 51.8181, 57.1121

Monochromacy



Original Color

66.2979, 51.9557, 70.1525



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

56.5353, 53.3445, 63.8167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.2979, 51.9557, 70.1525 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, 162, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 162, 214)  
}
```

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, 162, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 162, 214) }
```

Border

The CSS property to change the border of an element to XYZ 66.2979, 51.9557, 70.1525 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, 162, 214) }
```


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

```
.border{ border-color:rgb(255, 162, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 162, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 162, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 162, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 162,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 66.2979, 51.9557, 70.1525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 162, 214) }
```

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

```
.background{ background-color: rgb(255,  
162, 214) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor