

Converting Colors

XYZ(69.9927, 50.3264, 99.1882)

Have a look what the booklet for
XYZ(69.9927, 50.3264, 99.1882)
contains.

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Color

**XYZ(69.8760, 50.1645,
98.9284)**

Conversions

Conversions Part 1

Format	Color
Hex	FF96FD
RGB	255, 150, 253
RGB Percent	100%, 59%, 99%
CMY	0.0000, 0.4117, 0.0078
CMYK	0.00, 0.41, 0.01, 0.00
HSL	301°, 100%, 79%
HSV	301°, 41%, 100%
XYZ	69.8760, 50.1645, 98.9284
YIQ	193.1370, 29.5170, 54.2930

Conversions

Conversions Part 2

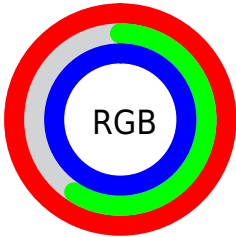
Format	Color
RYB	255, 150, 253
Decimal	16750333
CIELab	76.17, 53.98, -34.80
CIELCh	76, 64.224, 327.195
Yxy	50.1645, 0.3191, 0.2291
Android (android.graphics.Color)	4294940413 (0xFFFF96FD)
YUV	193.1370, 29.5125, 54.2539
Hunter-Lab	70.8269, 52.1564, -33.2353

Details

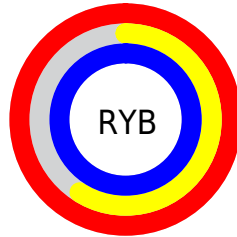
The XYZ color **69.8760, 50.1645, 98.9284** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **54.0066, 80.2717, 42.3553**, and the grayscale version is **50.5901, 53.2247, 57.9617**.

A 20% lighter version of the original color is **81.3613, 72.6226, 104.3371**, and **36.9116, 24.0870, 54.9284** is the 20% darker color. If you saturate the color by 10%, you get **66.1637, 42.8634, 97.3105**, and if you desaturate by 10%, it is **74.4758, 59.2400, 100.8445**.

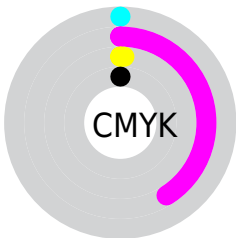
Distribution



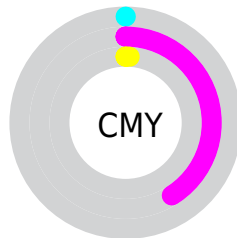
- Red (100%)
- Green (59%)
- Blue (99%)



- Red (100%)
- Yellow (59%)
- Blue (99%)



- Cyan (0%)
- Magenta (41%)
- Yellow (1%)
- Black (0%)





- Cyan (0%)
- Magenta (41%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.8760, 50.1645, 98.9284 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 69.8760, 50.1645, 98.9284 by changing the saturation by 10% instead.


 69.8760, 50.1645,
98.9284


 69.8760, 50.1645,
98.9284


449.3877,
387.3089, 577.9688

 51.7047, 35.5441,
74.7940

 118.0591, 90.4186,
161.7228

 36.9931, 24.0823,
54.9434


 148.8017,
116.8210, 201.2199

 25.3758, 15.3947,
38.9581

184.4653,
147.9197, 246.6749

 16.4875, 9.0969,
26.4196

225.4154,
184.0988, 298.5065

 9.9628, 4.8044,
16.9092

272.0174,
225.7429, 357.1332

 5.4364, 2.1330,
10.0085

324.6365,

 2.5429, 0.6831,

273.2364, 422.9734

5.2989

383.6382,
326.9636, 496.4458

■ 0.9169, 0.0000,
2.3619

■ 0.0000, 0.0000,
0.7656

■ 69.8760, 50.1645,
98.9284

■ 69.8760, 50.1645,
98.9284

■ 66.1637, 42.8634,
97.3105

■ 74.4758, 59.2400,
100.8445

■ 63.2778, 37.2149,
95.9684

■ 80.0129, 70.1899,
103.0732

■ 61.1544, 33.0912,
94.8814

■ 86.5368, 83.1132,
105.6320

■ 59.7190, 30.3431,
94.0247

■ 94.0930, 98.1007,
108.5357

■ 58.8820, 28.7915,
93.3684

95.0500, 100.0000,
108.9000

■ 58.5180, 28.1712,
92.9149

Harmonies

Analogous

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



59.0478, 50.1645, 137.2343



69.8760, 50.1645, 98.9284



74.7054, 50.1645, 57.9257

Triad

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



69.8760, 50.1645, 98.9284



48.8203, 50.1645, 11.5835



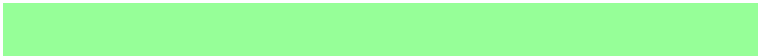
29.9282, 50.1645, 90.8207

Complementary

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



69.8760, 50.1645, 98.9284



54.0066, 80.2717, 42.3553

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.



28.1126, 50.1645, 51.4437



69.8760, 50.1645, 98.9284



37.8735, 50.1645, 14.3543

Square

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



69.8760, 50.1645, 98.9284



61.3369, 50.1645, 15.7253



30.7654, 50.1645, 26.0245



36.2173, 50.1645, 131.3319

Rectangle

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



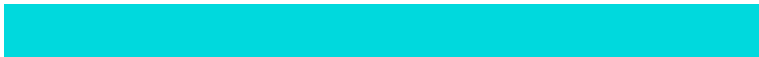
69.8760, 50.1645, 98.9284



73.3567, 50.1645, 37.2890



30.7654, 50.1645, 26.0245



28.8258, 50.1645, 76.6303

Sweetspot

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



69.8770, 50.1664, 98.9294



85.9596, 81.9691, 105.4078



41.8604, 35.6863, 99.2896



18.2065, 17.1635, 22.4867



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.



69.8770, 50.1664, 98.9294



66.8986, 44.3063, 97.6382



62.6608, 47.2799, 60.9294



18.7769, 18.2941, 22.7081



30.5837, 14.7228, 48.5859



2.9824, 1.4353, 4.7548

Inverse Universe

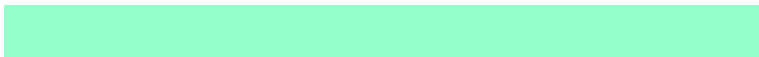
The Inverse Universe completely reimagines the original color for something new.



69.8770, 50.1664, 98.9294



66.8986, 44.3063, 97.6382



59.2681, 82.3763, 70.0623



18.7769, 18.2941, 22.7081



30.5837, 14.7228, 48.5859



2.9824, 1.4353, 4.7548

Previews

White Background



This preview shows how the XYZ color 69.8760, 50.1645, 98.9284 looks on a white background.

Color Contrast Check

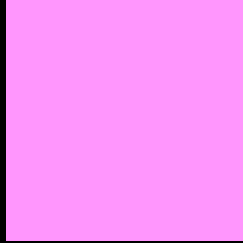
Large Text (above 18pt) WCAG AA × Fail

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 69.8760, 50.1645, 98.9284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

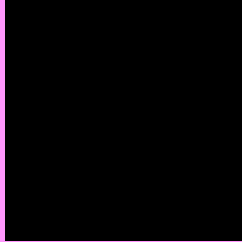
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.8760, 50.1645, 98.9284

Background



This preview shows how black text looks on a background with the XYZ color 69.8760, 50.1645, 98.9284.



This preview shows how white text looks on a background with the XYZ color 69.8760, 50.1645,

98.9284.

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

69.8760, 50.1645, 98.9284

Protanopia

51.5453, 50.5533, 101.6488

Deuteranopia

51.8167, 50.5273, 95.0174



Tritanopia

59.7789, 50.1199, 49.1712

Trichromacy



Original Color

69.8760, 50.1645, 98.9284



Protanomaly

56.3862, 49.1850, 100.2877



Deuteranomaly

56.7532, 49.1820, 96.1244



Tritanomaly

62.7783, 49.7376, 64.6841

Monochromacy



Original Color

69.8760, 50.1645, 98.9284



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

56.3068, 50.9495, 71.1565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8760, 50.1645, 98.9284 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, 150, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 150, 253)  
}
```

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, 150, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 150, 253) }
```

Border

The CSS property to change the border of an element to XYZ 69.8760, 50.1645, 98.9284 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, 150, 253) }
```


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

```
.border{ border-color:rgb(255, 150, 253) }
```

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

Here you see how a box with a 4 pixel rgb(255, 150, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 150, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 150, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 150,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8760, 50.1645, 98.9284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 150, 253) }
```

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

```
.background{ background-color: rgb(255,  
150, 253) }
```

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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