

Converting Colors

XYZ(80.1620, 51.7528, 98.7448)

Have a look what the booklet for
XYZ(80.1620, 51.7528, 98.7448)
contains.

XYZ(67.3572, 45.1269, 98.0888)	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(67.3572, 45.1269,
98.0888)**

Conversions

Conversions Part 1

Format	Color
Hex	FF85FD
RGB	255, 133, 253
RGB Percent	100%, 52%, 99%
CMY	0.0000, 0.4784, 0.0078
CMYK	0.00, 0.48, 0.01, 0.00
HSL	301°, 100%, 76%
HSV	301°, 48%, 100%
XYZ	67.3572, 45.1269, 98.0888
YIQ	183.1580, 34.1920, 63.1840

Conversions

Conversions Part 2

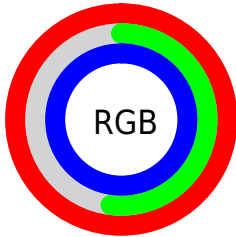
Format	Color
R _Y B	255, 133, 253
Decimal	16745981
CIE Lab	72.98, 62.26, -39.75
CIE LCh	73, 73.872, 327.443
Yxy	45.1269, 0.3199, 0.2143
Android (android.graphics.Color)	4294936061 (0xFFFF85FD)
YUV	183.1580, 34.4321, 63.0054
Hunter-Lab	67.1766, 61.4210, -39.5495

Details

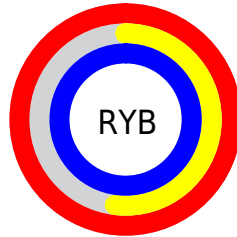
The XYZ color **67.3572, 45.1269, 98.0888** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **49.8073, 78.2564, 35.4035**, and the grayscale version is **44.9016, 47.2399, 51.4443**.

A 20% lighter version of the original color is **77.7035, 65.3069, 103.1178**, and **35.3826, 21.0290, 54.4187** is the 20% darker color. If you saturate the color by 10%, you get **64.2138, 38.9465, 96.7135**, and if you desaturate by 10%, it is **71.3498, 53.0053, 99.7491**.

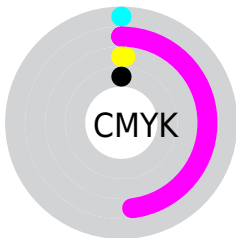
Distribution



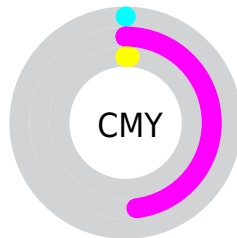
- Red (100%)
- Green (52%)
- Blue (99%)



- Red (100%)
- Yellow (52%)
- Blue (99%)



- Cyan (0%)
- Magenta (48%)
- Yellow (1%)
- Black (0%)





- Cyan (0%)
- Magenta (48%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.3572, 45.1269, 98.0888 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 67.3572, 45.1269, 98.0888 by changing the saturation by 10% instead.


 67.3572, 45.1269,
98.0888


 67.3572, 45.1269,
98.0888


440.6277,
367.2873, 575.2419

 49.6467, 31.5574,
74.0974


 114.4791, 82.9108,
160.5572

 35.3494, 21.0237,
54.3765


 144.6212,
107.8940, 199.8712

 24.0999, 13.1413,
38.5075


 179.6379,
137.4505, 245.1299

 15.5329, 7.5259,
26.0719

219.8945,
171.9648, 296.7518

 9.2830, 3.7931,
16.6512

265.7565,
211.8212, 355.1554

 4.9848, 1.5585,
9.8268

317.5891,

 2.2730, 0.3294,

257.4042, 420.7592

5.1802

375.7577,
309.0981, 493.9819

■ 0.7808, 0.0000,
2.2928

■ 0.0000, 0.0000,
0.7272

■ 67.3572, 45.1269,
98.0888

■ 67.3572, 45.1269,
98.0888

■ 64.2138, 38.9465,
96.7135

■ 71.3498, 53.0053,
99.7491

■ 61.8546, 34.3342,
95.5997

■ 76.2449, 62.6887,
101.7104

■ 60.2095, 31.1499,
94.7247

■ 82.0950, 74.2817,
103.9906

■ 59.1947, 29.2261,
94.0605

■ 88.9473, 87.8790,
106.6057

■ 58.6984, 28.3390,
93.5698

95.0500, 100.0000,
108.9000

■ 58.6244, 28.2138,
93.4750

Harmonies

Analogous

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



55.3583, 45.1269, 142.8882



67.3572, 45.1269, 98.0888



72.7226, 45.1269, 52.3713

Triad

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



67.3572, 45.1269, 98.0888



44.0072, 45.1269, 6.8664



24.4414, 45.1269, 89.6459

Complementary

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



67.3572, 45.1269, 98.0888



49.8073, 78.2564, 35.4035

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.



22.5902, 45.1269, 46.0358



67.3572, 45.1269, 98.0888



32.4532, 45.1269, 9.2266

Square

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



67.3572, 45.1269, 98.0888



57.6602, 45.1269, 10.3046



25.2094, 45.1269, 19.9803



30.8885, 45.1269, 136.5320

Rectangle

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



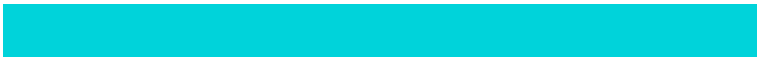
67.3572, 45.1269, 98.0888



71.1487, 45.1269, 30.7817



25.2094, 45.1269, 19.9803



23.3252, 45.1269, 73.6318

Sweetspot

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



67.3581, 45.1286, 98.0897



84.6058, 79.2621, 104.9546



36.1121, 28.9837, 98.2988



17.8033, 16.3586, 22.3474



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.



67.3581, 45.1286, 98.0897



64.4471, 39.4040, 96.8188



59.3663, 41.9319, 56.0054



18.7791, 18.2949, 22.7198



30.6384, 14.7446, 48.8736



2.9871, 1.4372, 4.7795

Inverse Universe

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



67.3581, 45.1286, 98.0897



64.4471, 39.4040, 96.8188



55.1717, 80.4022, 63.6520



18.7791, 18.2949, 22.7198



30.6384, 14.7446, 48.8736



2.9871, 1.4372, 4.7795

Previews

White Background



This preview shows how the XYZ color 67.3572, 45.1269, 98.0888 looks on a white background.

Color Contrast Check

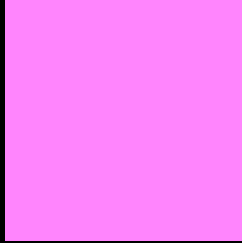
Large Text (above 18pt) WCAG AA × Fail

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 67.3572, 45.1269, 98.0888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

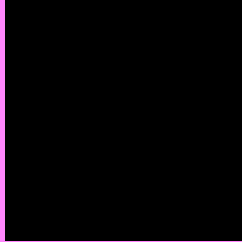
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.3572, 45.1269, 98.0888

Background



This preview shows how black text looks on a background with the XYZ color 67.3572, 45.1269, 98.0888.



This preview shows how white text looks on a background with the XYZ color 67.3572, 45.1269,

98.0888.

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

67.3572, 45.1269, 98.0888

Protanopia

46.9090, 45.4366, 100.9055

Deuteranopia

46.5016, 45.4078, 92.6999



Tritanopia

55.6554, 45.0609, 41.3616

Trichromacy



Original Color

67.3572, 45.1269, 98.0888



Protanomaly

51.8695, 43.5926, 99.4463



Deuteranomaly

51.9363, 43.7364, 94.5116



Tritanomaly

59.0683, 44.5454, 58.3082

Monochromacy



Original Color

67.3572, 45.1269, 98.0888



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

51.1348, 45.0196, 65.6691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.3572, 45.1269, 98.0888 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, 133, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 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, 133, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 253) }
```

Border

The CSS property to change the border of an element to XYZ 67.3572, 45.1269, 98.0888 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, 133, 253) }
```


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

```
.border{ border-color:rgb(255, 133, 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, 133, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 67.3572, 45.1269, 98.0888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 133, 253) }
```

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

```
.background{ background-color: rgb(255,  
133, 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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