

Converting Colors

XYZ(101.0377, 56.6813,
155.8593)

Have a look what the booklet for
XYZ(101.0377, 56.6813, 155.8593)
contains.

XYZ(64.6526, 39.2051, 98.7675)	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(64.6526, 39.2051,
98.7675)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6CFF
RGB	255, 108, 255
RGB Percent	100%, 42%, 100%
CMY	0.0000, 0.5764, 0.0000
CMYK	0.00, 0.58, 0.00, 0.00
HSL	300°, 100%, 71%
HSV	300°, 58%, 100%
XYZ	64.6526, 39.2051, 98.7675
YIQ	168.7110, 40.4250, 76.8810

Conversions

Conversions Part 2

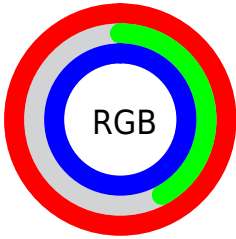
Format	Color
R_{YB}	255, 108, 255
Decimal	16739583
CIE _{Lab}	68.90, 73.78, -47.23
CIE _{LCh}	69, 87.603, 327.378
Yxy	39.2051, 0.3191, 0.1935
Android (android.graphics.Color)	4294929663 (0xFFFF6CFF)
YUV	168.7110, 42.5405, 75.6755
Hunter-Lab	62.6140, 74.7373, -49.6945

Details

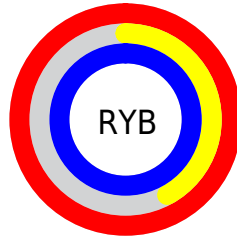
The XYZ color **64.6526, 39.2051, 98.7675** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **44.6522, 75.7914, 26.4649**, and the grayscale version is **37.3535, 39.2988, 42.7963**.

A 20% lighter version of the original color is **72.9262, 55.7524, 101.5254**, and **33.6371, 17.5561, 55.0419** is the 20% darker color. If you saturate the color by 10%, you get **62.3456, 34.5913, 97.9985**, and if you desaturate by 10%, it is **67.7470, 45.3941, 99.7990**.

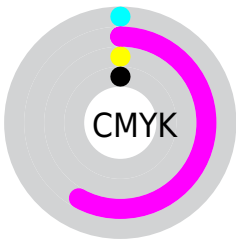
Distribution



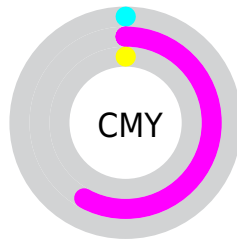
- Red (100%)
- Green (42%)
- Blue (100%)



- Red (100%)
- Yellow (42%)
- Blue (100%)



- Cyan (0%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (58%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.6526, 39.2051, 98.7675 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 64.6526, 39.2051, 98.7675 by changing the saturation by 10% instead.


 64.6526, 39.2051,
98.7675


 64.6526, 39.2051,
98.7675


431.1075,
342.7617, 577.4468


 47.4431, 26.9193,
74.6605


 110.6187, 73.9515,
161.4995

 33.5955, 17.5126,
54.8347


 140.1061, 97.1810,
200.9615

 22.7444, 10.6007,
38.8717


 174.4168,
124.8271, 246.3790

 14.5246, 5.7990,
26.3529

213.9161,
157.2743, 298.1705

 8.5705, 2.7232,
16.8597

258.9695,
194.9070, 356.7544

 4.5170, 0.9890,
9.9736

309.9423,

 1.9986, 0.0000,

238.1095, 422.5495

5.2761

367.1998,
287.2663, 495.9741

■ 0.6332, 0.0000,
2.3486

■ 0.0000, 0.0000,
0.7582

■ 64.6526, 39.2051,
98.7675

■ 64.6526, 39.2051,
98.7675

■ 62.3456, 34.5913,
97.9985

■ 67.7470, 45.3941,
99.7990

■ 60.7534, 31.4069,
97.4678

■ 71.6892, 53.2785,
101.1131

■ 59.7933, 29.4866,
97.1478

■ 76.5359, 62.9718,
102.7286

■ 59.3552, 28.6104,
97.0017

■ 82.3382, 74.5764,
104.6627

■ 59.2900, 28.4800,
96.9800

■ 89.1435, 88.1871,
106.9312

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



50.9742, 39.2051, 153.3188



64.6526, 39.2051, 98.7675



70.8987, 39.2051, 46.2900

Triad

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



64.6526, 39.2051, 98.7675



38.5008, 39.2051, 2.7765



18.1933, 39.2051, 88.5222

Complementary

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



64.6526, 39.2051, 98.7675



44.6522, 75.7914, 26.4649

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.



16.4135, 39.2051, 39.2772



64.6526, 39.2051, 98.7675



26.2619, 39.2051, 4.3916

Square

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



64.6526, 39.2051, 98.7675



53.6316, 39.2051, 5.2071



18.9629, 39.2051, 13.2675



24.6184, 39.2051, 145.2435

Rectangle

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



64.6526, 39.2051, 98.7675



69.0818, 39.2051, 23.6444



18.9629, 39.2051, 13.2675



17.1142, 39.2051, 69.9147

Sweetspot

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



64.6532, 39.2065, 98.7677



82.7461, 75.3922, 104.7987



29.5984, 21.1350, 97.1272



17.4419, 15.5986, 22.3415



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.



64.6532, 39.2065, 98.7677



62.0896, 34.0792, 97.9132



54.9955, 35.3434, 47.9106



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Inverse Universe

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



64.6532, 39.2065, 98.7677



62.0896, 34.0792, 97.9132



50.3374, 78.0654, 56.4024



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 64.6526, 39.2051, 98.7675 looks on a white background.

Color Contrast Check

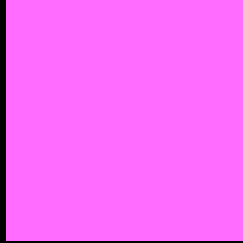
Large Text (above 18pt) WCAG AA × Fail

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 64.6526, 39.2051, 98.7675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

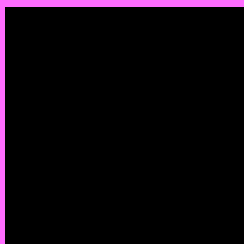
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.6526, 39.2051, 98.7675

Background



This preview shows how black text looks on a background with the XYZ color 64.6526, 39.2051, 98.7675.



This preview shows how white text looks on a background with the XYZ color 64.6526, 39.2051,

98.7675.

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

64.6526, 39.2051, 98.7675

Protanopia

41.6779, 39.6433, 100.0630

Deuteranopia

40.6167, 39.5484, 91.8791



Tritanopia

50.8301, 38.8752, 32.4284

Trichromacy



Original Color

64.6526, 39.2051, 98.7675



Protanomaly

46.7658, 37.0545, 99.2951



Deuteranomaly

46.2002, 37.1006, 94.3487

Tritanomaly

54.6816, 38.2410, 50.9536

Monochromacy



Original Color

64.6526, 39.2051, 98.7675



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

44.6785, 37.3169, 59.4917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6526, 39.2051, 98.7675 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, 108, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 108, 255)  
}
```

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, 108, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 108, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.6526, 39.2051, 98.7675 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, 108, 255) }
```


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

```
.border{ border-color:rgb(255, 108, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 108, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 108, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 108, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 108,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6526, 39.2051, 98.7675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 108, 255) }
```

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

```
.background{ background-color: rgb(255,  
108, 255) }
```

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