

Converting Colors

XYZ(57.9981, 32.4434, 76.3648)

Have a look what the booklet for
XYZ(57.9981, 32.4434, 76.3648)
contains.

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Color

**XYZ(58.0396, 32.4534,
76.6039)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4FE4
RGB	255, 79, 228
RGB Percent	100%, 31%, 89%
CMY	0.0000, 0.6902, 0.1059
CMYK	0.00, 0.69, 0.11, 0.00
HSL	309°, 100%, 65%
HSV	309°, 69%, 100%
XYZ	58.0396, 32.4534, 76.6039
YIQ	148.6100, 57.0670, 83.6510

Conversions

Conversions Part 2

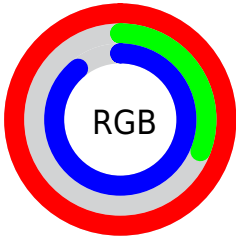
Format	Color
R _Y B	255, 79, 228
Decimal	16732132
CIE _{Lab}	63.72, 80.59, -40.44
CIE _{LCh}	64, 90.169, 333.354
Y _{xy}	32.4534, 0.3473, 0.1942
Android (android.graphics.Color)	4294922212 (0xFFFF4FE4)
Y _{UV}	148.6100, 39.1393, 93.3040
Hunter-Lab	56.9679, 82.1642, -39.8489

Details

The XYZ color **58.0396, 32.4534, 76.6039** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **41.5872, 74.2234, 25.7727**, and the grayscale version is **28.2295, 29.6996, 32.3429**.

A 20% lighter version of the original color is **68.8149, 47.5298, 100.1550**, and **29.6945, 14.4479, 40.2534** is the 20% darker color. If you saturate the color by 10%, you get **56.0030, 29.2395, 73.2760**, and if you desaturate by 10%, it is **60.7948, 37.0847, 80.2327**.

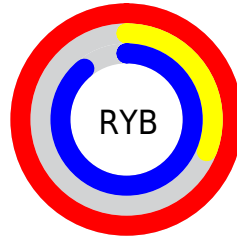
Distribution



Red (100%)

Green (31%)

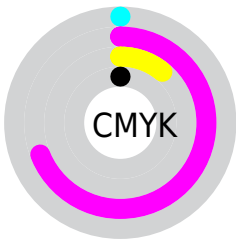
Blue (89%)



Red (100%)

Yellow (31%)

Blue (89%)

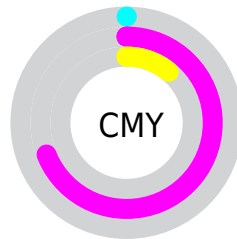


Cyan (0%)

Magenta (69%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (69%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.0396, 32.4534, 76.6039 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 58.0396, 32.4534, 76.6039 by changing the saturation by 10% instead.


 58.0396, 32.4534,
76.6039


 58.0396, 32.4534,
76.6039

407.2850,
313.1795, 502.8142


 42.0839, 21.7080,
56.4182


 101.1032, 63.5212,
130.3481


 29.3584, 13.6425,
40.1321

 128.9417, 84.6124,
164.7437

 19.4977, 7.8725,
27.3270


 161.4719,
109.9211, 204.7130

 12.1366, 4.0135,
17.5843

 199.0591,
139.8316, 250.6746

 6.9096, 1.6811,
10.4856

242.0686,
174.7283, 303.0469

 3.4515, 0.4114,
5.6123

290.8659,

 1.3968, 0.0000,

214.9955, 362.2486

2.5459

345.8162,
261.0178, 428.6982

■ 0.2539, 0.0000,
0.8643

■ 0.0000, 0.0000,
0.0000

■ 58.0396, 32.4534,
76.6039

■ 58.0396, 32.4534,
76.6039

■ 56.0030, 29.2395,
73.2760

■ 60.7948, 37.0847,
80.2327

■ 54.5971, 27.2676,
70.2183

■ 64.3387, 43.2736,
84.1850

■ 53.6961, 26.2860,
67.3887

■ 68.7353, 51.1481,
88.4830

■ 53.6191, 26.2116,
67.1174

■ 74.0416, 60.8218,
93.1460

■ 80.3093, 72.3982,
98.1916

■ 87.5864, 85.9733,
103.6363

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.



46.2164, 32.4534, 131.0776



58.0396, 32.4534, 76.6039



61.9936, 32.4534, 31.4218

Triad

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



58.0396, 32.4534, 76.6039



29.4470, 32.4534, 1.4519



14.6832, 32.4534, 89.0245

Complementary

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



58.0396, 32.4534, 76.6039



41.5872, 74.2234, 25.7727

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.



12.3999, 32.4534, 39.5630



58.0396, 32.4534, 76.6039



19.3282, 32.4534, 3.2633

Square

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



58.0396, 32.4534, 76.6039



43.0689, 32.4534, 2.5006



13.8341, 32.4534, 12.4227



21.1866, 32.4534, 141.0709

Rectangle

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



58.0396, 32.4534, 76.6039



58.9430, 32.4534, 14.3154



13.8341, 32.4534, 12.4227



13.4914, 32.4534, 70.6965

Sweetspot

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



58.0403, 32.4547, 76.6045



78.9870, 69.9455, 97.1593



26.7204, 15.8413, 96.2571



16.5266, 14.2683, 20.4941



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.



58.0403, 32.4547, 76.6045



55.3726, 28.3157, 72.0272



48.8151, 28.7647, 28.0251



18.6658, 18.2497, 22.1235



28.0623, 13.7142, 35.3084



2.7633, 1.3477, 3.6008

Inverse Universe

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



58.0403, 32.4547, 76.6045



55.3726, 28.3157, 72.0272



48.6559, 77.0509, 62.9961



18.6658, 18.2497, 22.1235



28.0623, 13.7142, 35.3084



2.7633, 1.3477, 3.6008

Previews

White Background



This preview shows how the XYZ color 58.0396, 32.4534, 76.6039 looks on a white background.

Color Contrast Check

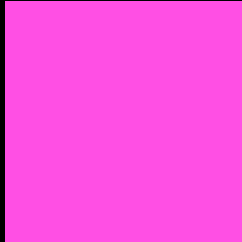
Large Text (above 18pt) WCAG AA × Fail

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 58.0396, 32.4534, 76.6039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

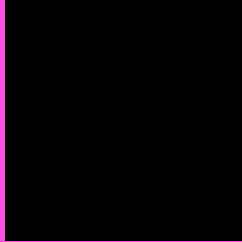
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.0396, 32.4534, 76.6039

Background



This preview shows how black text looks on a background with the XYZ color 58.0396, 32.4534, 76.6039.



This preview shows how white text looks on a background with the XYZ color 58.0396, 32.4534,

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

58.0396, 32.4534, 76.6039

Protanopia

35.6722, 32.7327, 99.0457

Deuteranopia

33.5885, 32.7788, 70.2023



Tritanopia

46.4926, 32.1775, 21.5298

Trichromacy



Original Color

58.0396, 32.4534, 76.6039



Protanomaly

38.9193, 29.0463, 89.9414



Deuteranomaly

38.6435, 29.4893, 72.0619



Tritanomaly

49.5266, 31.5740, 36.2849

Monochromacy



Original Color

58.0396, 32.4534, 76.6039



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

35.9826, 28.3210, 45.6895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.0396, 32.4534, 76.6039 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, 79, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 79, 228)  
}
```

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, 79, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 79, 228) }
```

Border

The CSS property to change the border of an element to XYZ 58.0396, 32.4534, 76.6039 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, 79, 228) }
```


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

```
.border{ border-color:rgb(255, 79, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 79, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 79, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 79, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 79,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 58.0396, 32.4534, 76.6039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 79, 228) }
```

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

```
.background{ background-color: rgb(255, 79,  
228) }
```

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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