

# Converting Colors

XYZ(65.2033, 47.3432, 91.6786)

Have a look what the booklet for  
XYZ(65.2033, 47.3432, 91.6786)  
contains.

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# Color

**XYZ(65.2768, 47.4856,  
91.3131)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F794F4
RGB	247, 148, 244
RGB Percent	97%, 58%, 96%
CMY	0.0314, 0.4196, 0.0431
CMYK	0.00, 0.40, 0.01, 0.03
HSL	302°, 86%, 77%
HSV	302°, 40%, 97%
XYZ	65.2768, 47.4856, 91.3131
YIQ	188.5450, 28.1880, 50.8440

# Conversions

## Conversions Part 2

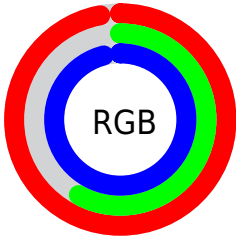
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">247, 148, 244</a>
Decimal	<a href="#">16225524</a>
CIELab	<a href="#">74.50, 51.06, -32.57</a>
CIELCh	<a href="#">74, 60.562, 327.464</a>
Yxy	<a href="#">47.4856, 0.3199, 0.2327</a>
Android (android.graphics.Color)	<a href="#">4294415604</a> ( <a href="#">0xFFFF794F4</a> )
YUV	<a href="#">188.5450, 27.3393, 51.2650</a>
Hunter-Lab	<a href="#">68.9098, 48.4972, -30.3289</a>

# Details

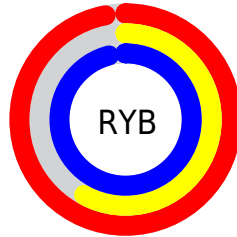
The XYZ color **65.2768, 47.4856, 91.3131** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **51.0614, 75.0535, 41.0764**, and the grayscale version is **47.9493, 50.4464, 54.9362**.

A 20% lighter version of the original color is **80.8829, 71.6657, 104.1776**, and **33.9586, 22.4121, 49.5499** is the 20% darker color. If you saturate the color by 10%, you get **61.6950, 40.5026, 89.5599**, and if you desaturate by 10%, it is **69.6887, 56.1261, 93.3463**.

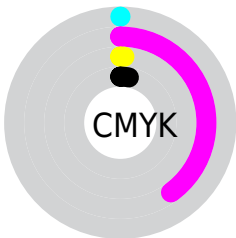
# Distribution



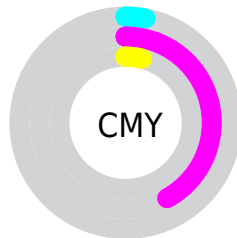
- Red (97%)
- Green (58%)
- Blue (96%)



- Red (97%)
- Yellow (58%)
- Blue (96%)



- Cyan (0%)
- Magenta (40%)
- Yellow (1%)
- Black (3%)




- Cyan (3%)
- Magenta (42%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.2768, 47.4856, 91.3131 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 65.2768, 47.4856, 91.3131 by changing the saturation by 10% instead.




 65.2768, 47.4856,  
91.3131


 65.2768, 47.4856,  
91.3131


433.3155,  
376.7495, 552.9731

 47.9511, 33.4197,  
68.4904

 111.5112, 86.4380,  
151.1124

 33.9992, 22.4482,  
49.8276

 141.1506,  
112.0933, 188.9261

 23.0559, 14.1866,  
34.9062


175.6253,  
142.3806, 232.5739

 14.7557, 8.2505,  
23.3077

215.3007,  
177.6841, 282.4743

 8.7333, 4.2557,  
14.6134

260.5420,  
218.3884, 339.0459

 4.6234, 1.8176,  
8.4049

311.7147,

 2.0605, 0.4981,

264.8778, 402.7072

4.2637

369.1841,  
317.5367, 473.8767

■ 0.6676, 0.0000,  
1.7711

■ 0.0000, 0.0000,  
0.4088

■ 65.2768, 47.4856,  
91.3131

■ 65.2768, 47.4856,  
91.3131

■ 61.6950, 40.5026,  
89.5599

■ 69.6887, 56.1261,  
93.3463

■ 58.8856, 35.0646,  
88.0659

■ 74.9745, 66.5146,  
95.6725

■ 56.7910, 31.0554,  
86.8124

■ 81.1803, 78.7424,  
98.3078

■ 55.3433, 28.3395,  
85.7769

■ 88.3477, 92.8927,  
101.2658

54.4619, 26.7553,  
84.9324

91.0220, 98.0559,  
102.7284

54.0145, 26.0369,  
84.2392

91.1382, 98.1024,  
103.3407

91.2550, 98.1491,  
103.9554

91.3721, 98.1960,  
104.5725

91.4898, 98.2430,  
105.1921

# Harmonies

## Analogous

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



55.5393, 47.4856, 125.6324



65.2768, 47.4856, 91.3131



69.5604, 47.4856, 54.4137

# Triad

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



65.2768, 47.4856, 91.3131



46.0702, 47.4856, 11.8658



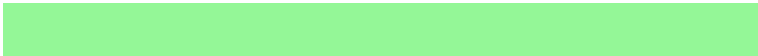
28.9327, 47.4856, 84.7361

# Complementary

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



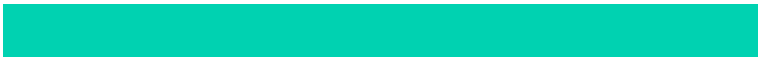
65.2768, 47.4856, 91.3131



51.0614, 75.0535, 41.0764

# 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.



27.2215, 47.4856, 49.0853



65.2768, 47.4856, 91.3131



36.1163, 47.4856, 14.5697

# Square

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



65.2768, 47.4856, 91.3131



57.4100, 47.4856, 15.7450



29.6297, 47.4856, 25.6130



34.7454, 47.4856, 120.8788



# Rectangle

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



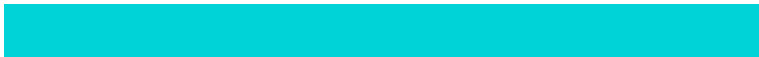
65.2768, 47.4856, 91.3131



68.3026, 47.4856, 35.6590



29.6297, 47.4856, 25.6130



27.9042, 47.4856, 71.9576

# Sweetspot

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



65.2784, 47.4877, 91.3141



85.9043, 81.9470, 105.1165



39.8939, 34.3485, 92.5242



18.1934, 17.1582, 22.4176



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.



65.2784, 47.4877, 91.3141



67.0312, 44.9091, 96.6419



58.8963, 44.9349, 57.7064



17.1907, 16.7591, 20.7506



28.5762, 13.7739, 44.6040



2.5183, 1.2133, 3.9557



# Inverse Universe

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



65.2784, 47.4877, 91.3141



67.0312, 44.9091, 96.6419



55.8016, 76.9496, 66.0380



17.1907, 16.7591, 20.7506



28.5762, 13.7739, 44.6040



2.5183, 1.2133, 3.9557



# Previews

## White Background



This preview shows how the XYZ color 65.2768, 47.4856, 91.3131 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

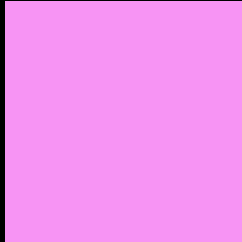
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.2768, 47.4856, 91.3131 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

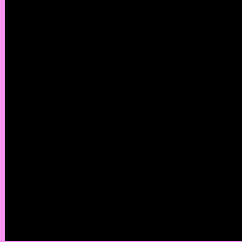
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 65.2768, 47.4856, 91.3131**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.2768, 47.4856, 91.3131.



This preview shows how white text looks on a background with the XYZ color 65.2768, 47.4856,

91.3131.

# 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

65.2768, 47.4856, 91.3131

### Protanopia

49.2718, 47.8448, 101.2458

### Deuteranopia

48.7671, 47.5862, 87.5037



## Tritanopia

56.0950, 47.4667, 46.7629

# Trichromacy



## Original Color

65.2768, 47.4856, 91.3131



## Protanomaly

53.3388, 46.5474, 97.4401



## Deuteranomaly

53.2840, 46.4386, 88.5933



## Tritanomaly

58.9278, 47.3246, 60.6723

# Monochromacy



## Original Color

65.2768, 47.4856, 91.3131



## Achromatopsia

48.3692, 50.8881, 55.4172



## Achromatomaly

53.2230, 48.5772, 66.8928

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.2768, 47.4856, 91.3131 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(247, 148, 244)` looks like.

```
.text, #text, p{  
    color:rgb(247, 148, 244)  
}
```

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(247, 148, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 148, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 65.2768, 47.4856, 91.3131 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(247, 148, 244) }
```



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

```
.border{ border-color:rgb(247, 148, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 148, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 148, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 148, 244);  
box-shadow:4px 4px 4px 4px rgb(247, 148,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.2768, 47.4856, 91.3131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 148, 244) }
```

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

```
.background{ background-color: rgb(247,  
148, 244) }
```

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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