

Converting Colors

XYZ(86.7098, 53.4160, 91.5656)

Have a look what the booklet for
XYZ(86.7098, 53.4160, 91.5656)
contains.

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Color

**XYZ(64.7768, 42.2070,
90.3206)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7CF4
RGB	255, 124, 244
RGB Percent	100%, 49%, 96%
CMY	0.0000, 0.5137, 0.0431
CMYK	0.00, 0.51, 0.04, 0.00
HSL	305°, 100%, 74%
HSV	305°, 51%, 100%
XYZ	64.7768, 42.2070, 90.3206
YIQ	176.8490, 39.5560, 65.0920

Conversions

Conversions Part 2

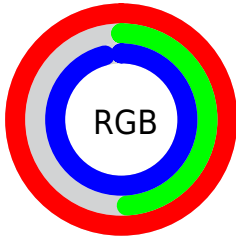
Format	Color
R _Y B	255, 124, 244
Decimal	16743668
CIE Lab	71.01, 64.95, -37.90
CIE LCh	71, 75.200, 329.739
Yxy	42.2070, 0.3283, 0.2139
Android (android.graphics.Color)	4294933748 (0xFFFF7CF4)
YUV	176.8490, 33.1054, 68.5384
Hunter-Lab	64.9669, 64.2855, -36.9514

Details

The XYZ color **64.7768, 42.2070, 90.3206** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **48.4467, 77.5550, 35.3401**, and the grayscale version is **41.5295, 43.6922, 47.5808**.

A 20% lighter version of the original color is **75.8139, 61.5277, 102.4880**, and **33.7417, 19.3379, 48.9679** is the 20% darker color. If you saturate the color by 10%, you get **61.6612, 36.4928, 87.6877**, and if you desaturate by 10%, it is **68.7241, 49.5781, 93.2504**.

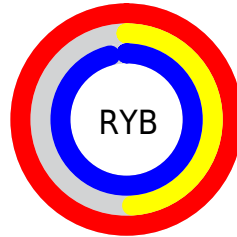
Distribution



Red (100%)

Green (49%)

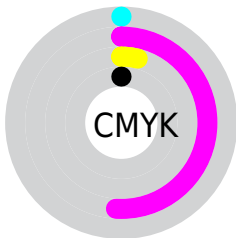
Blue (96%)



Red (100%)

Yellow (49%)

Blue (96%)

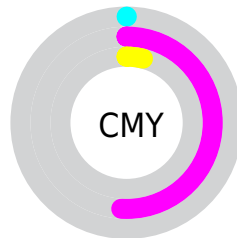


Cyan (0%)

Magenta (51%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (51%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.7768, 42.2070, 90.3206 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 64.7768, 42.2070, 90.3206 by changing the saturation by 10% instead.


 64.7768, 42.2070,
90.3206


 64.7768, 42.2070,
90.3206


431.5474,
355.3403, 549.6702


 47.5441, 29.2634,
67.6714


 110.7964, 78.5128,
149.7231

 33.6758, 19.2802,
49.1654

 140.3141,
102.6438, 187.3133

 22.8063, 11.8729,
34.3842


 174.6574,
131.2728, 230.7211

 14.5705, 6.6572,
22.9091

214.1919,
164.7841, 280.3648

 8.6028, 3.2487,
14.3218

259.2827,
203.5621, 336.6630

 4.5381, 1.2629,
8.2035

310.2953,

 2.0108, 0.1122,

247.9912, 400.0343

4.1358

367.5951,
298.4558, 470.8972

■ 0.6400, 0.0000,
1.7001

■ 0.0000, 0.0000,
0.3608

■ 64.7768, 42.2070,
90.3206

■ 64.7768, 42.2070,
90.3206

■ 61.6612, 36.4928,
87.6877

■ 68.7241, 49.5781,
93.2504

■ 59.3093, 32.3005,
85.3275

■ 73.5585, 58.7174,
96.4940

■ 57.6474, 29.4820,
83.2158

■ 79.3338, 69.7324,
100.0700

■ 56.5855, 27.8575,
81.3225

■ 86.0986, 82.7205,
103.9948

■ 56.0322, 27.1769,
79.8244

■ 93.8985, 97.7725,
108.2833

■ 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.



53.3164, 42.2070, 135.8684



64.7768, 42.2070, 90.3206



69.4082, 42.2070, 46.2719

Triad

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



64.7768, 42.2070, 90.3206



40.2266, 42.2070, 5.7014



22.6002, 42.2070, 89.4675

Complementary

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



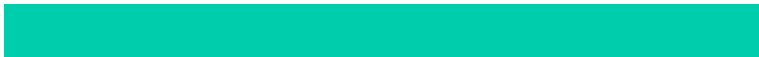
64.7768, 42.2070, 90.3206



48.4467, 77.5550, 35.3401

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.



20.5011, 42.2070, 45.6420



64.7768, 42.2070, 90.3206



29.2977, 42.2070, 8.2782

Square

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



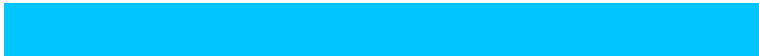
64.7768, 42.2070, 90.3206



53.5469, 42.2070, 8.3791



22.6752, 42.2070, 19.1865



29.1435, 42.2070, 135.2207

Rectangle

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



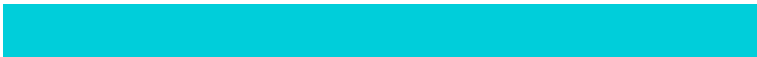
64.7768, 42.2070, 90.3206



67.3851, 42.2070, 26.3445



22.6752, 42.2070, 19.1865



21.4206, 42.2070, 73.4706

Sweetspot

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



64.7777, 42.2087, 90.3214



83.5256, 77.7718, 102.5288



35.2377, 26.7815, 97.9198



17.5713, 16.0576, 21.7678



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.



64.7777, 42.2087, 90.3214



61.4911, 36.1852, 87.5312



56.5435, 38.9150, 46.9604



18.7230, 18.2725, 22.4244



29.3054, 14.2115, 41.8544



2.8720, 1.3912, 4.1733

Inverse Universe

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



64.7777, 42.2087, 90.3214



61.4911, 36.1852, 87.5312



54.5476, 79.9954, 67.4666



18.7230, 18.2725, 22.4244



29.3054, 14.2115, 41.8544



2.8720, 1.3912, 4.1733

Previews

White Background



This preview shows how the XYZ color 64.7768, 42.2070, 90.3206 looks on a white background.

Color Contrast Check

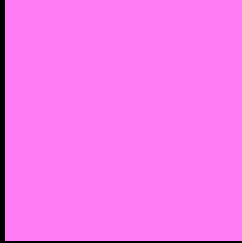
Large Text (above 18pt) WCAG AA × Fail

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 64.7768, 42.2070, 90.3206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

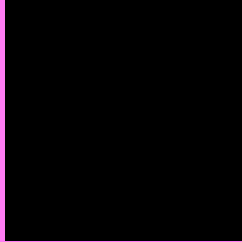
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.7768, 42.2070, 90.3206

Background



This preview shows how black text looks on a background with the XYZ color 64.7768, 42.2070, 90.3206.



This preview shows how white text looks on a background with the XYZ color 64.7768, 42.2070,

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

64.7768, 42.2070, 90.3206

Protanopia

44.4796, 42.7448, 100.5140

Deuteranopia

43.6031, 42.6291, 85.2870



Tritanopia

53.7823, 42.0636, 36.7369

Trichromacy



Original Color

64.7768, 42.2070, 90.3206



Protanomaly

49.1415, 40.7220, 96.5369



Deuteranomaly

49.0396, 40.8812, 86.9675



Tritanomaly

57.0897, 41.6619, 52.6095

Monochromacy



Original Color

64.7768, 42.2070, 90.3206



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

47.9463, 41.6499, 60.7705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7768, 42.2070, 90.3206 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, 124, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 124, 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(255, 124, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 124, 244) }
```

Border

The CSS property to change the border of an element to XYZ 64.7768, 42.2070, 90.3206 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, 124, 244) }
```


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

```
.border{ border-color:rgb(255, 124, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 124, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 124, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 124, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 124,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7768, 42.2070, 90.3206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 124, 244) }
```

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

```
.background{ background-color: rgb(255,  
124, 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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