

Converting Colors

XYZ(69.5829, 47.5495, 76.5912)

Have a look what the booklet for
XYZ(69.5829, 47.5495, 76.5912)
contains.

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Color

**XYZ(63.7763, 44.5876,
76.4790)**

Conversions

Conversions Part 1

Format	Color
Hex	FF89E1
RGB	255, 137, 225
RGB Percent	100%, 54%, 88%
CMY	0.0000, 0.4627, 0.1176
CMYK	0.00, 0.46, 0.12, 0.00
HSL	315°, 100%, 77%
HSV	315°, 46%, 100%
XYZ	63.7763, 44.5876, 76.4790
YIQ	182.3140, 42.0800, 52.3840

Conversions

Conversions Part 2

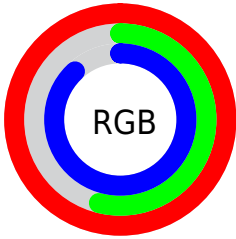
Format	Color
R_{YB}	255, 137, 225
Decimal	16746977
CIE _{Lab}	72.62, 55.75, -24.99
CIE _{LCh}	73, 61.098, 335.856
Yxy	44.5876, 0.3450, 0.2412
Android (android.graphics.Color)	4294937057 (0xFFFF89E1)
YUV	182.3140, 21.0442, 63.7456
Hunter-Lab	66.7739, 53.6323, -21.1656

Details

The XYZ color **63.7763, 44.5876, 76.4790** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **53.0532, 79.6292, 49.1358**, and the grayscale version is **44.5086, 46.8265, 50.9940**.

A 20% lighter version of the original color is **78.3600, 66.6199, 103.3367**, and **33.0379, 20.6726, 40.2791** is the 20% darker color. If you saturate the color by 10%, you get **59.7026, 37.8288, 70.8403**, and if you desaturate by 10%, it is **68.7420, 53.0764, 82.5819**.

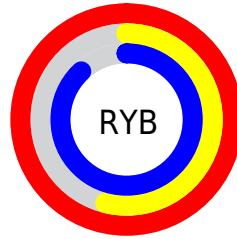
Distribution



Red (100%)

Green (54%)

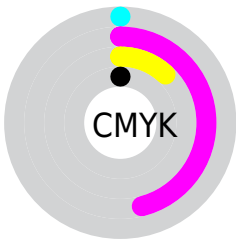
Blue (88%)



Red (100%)

Yellow (54%)

Blue (88%)

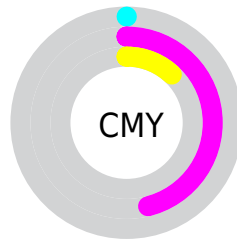


Cyan (0%)

Magenta (46%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (46%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.7763, 44.5876, 76.4790 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 63.7763, 44.5876, 76.4790 by changing the saturation by 10% instead.


 63.7763, 44.5876,
76.4790

 63.7763, 44.5876,
76.4790


427.9964,
365.1008, 502.3762


 46.7305, 31.1327,
56.3164

 109.3642, 82.1012,
130.1701

 33.0297, 20.6999,
40.0509

 138.6371,
106.9287, 164.5356

 22.3086, 12.9048,
27.2642


 172.7164,
136.3159, 204.4724

 14.2017, 7.3631,
17.5375

211.9675,
170.6472, 250.3992

 8.3437, 3.6902,
10.4525

256.7556,
210.3069, 302.7344

 4.3693, 1.5018,
5.5905

307.4463,

 1.9131, 0.2900,

255.6795, 361.8967

2.5330

364.4047,
307.1493, 428.3044

■ 0.5844, 0.0000,
0.8576

■ 0.0000, 0.0000,
0.0000

■ 63.7763, 44.5876,
76.4790

■ 63.7763, 44.5876,
76.4790

■ 59.7026, 37.8288,
70.8403

■ 68.7420, 53.0764,
82.5819

■ 56.4563, 32.6718,
65.6407

■ 74.6524, 63.4004,
89.1666

■ 53.9686, 28.9795,
60.8561

■ 81.5595, 75.6628,
96.2528

■ 52.1579, 26.5891,
56.4572

■ 89.5106, 89.9577,
103.8579

■ 50.9225, 25.2981,
52.4085

95.0500, 100.0000,
108.9000

■ 50.5526, 24.9850,
50.9694

Harmonies

Analogous

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



55.4418, 44.5876, 112.7024



63.7763, 44.5876, 76.4790



65.9984, 44.5876, 42.8452

Triad

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



63.7763, 44.5876, 76.4790



40.3380, 44.5876, 10.6027



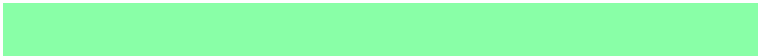
27.9416, 44.5876, 91.2770

Complementary

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



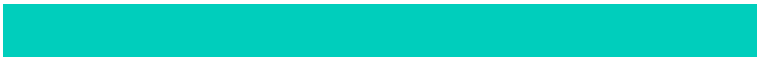
63.7763, 44.5876, 76.4790



53.0532, 79.6292, 49.1358

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.



25.1977, 44.5876, 54.7364



63.7763, 44.5876, 76.4790



31.5486, 44.5876, 14.9909

Square

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



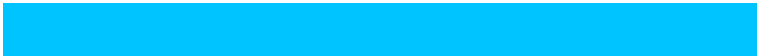
63.7763, 44.5876, 76.4790



51.2532, 44.5876, 12.4368



26.3991, 44.5876, 28.4103



34.5936, 44.5876, 123.4450

Rectangle

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



63.7763, 44.5876, 76.4790



63.4396, 44.5876, 27.3210



26.3991, 44.5876, 28.4103



26.5869, 44.5876, 78.6345

Sweetspot

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



63.7773, 44.5895, 76.4799



83.2727, 78.7288, 97.9344



42.8285, 33.2749, 98.7731



17.4753, 16.2274, 20.6200



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.



63.7773, 44.5895, 76.4799



59.8022, 37.9909, 70.9877



57.1160, 41.9249, 41.4017



18.5838, 18.2168, 21.6913



26.4784, 13.0806, 26.9674



2.6222, 1.2913, 2.8580

Inverse Universe

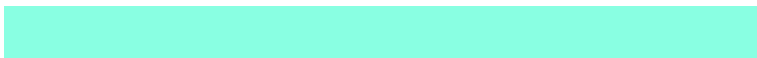
The Inverse Universe completely reimagines the original color for something new.



63.7773, 44.5895, 76.4799



59.8022, 37.9909, 70.9877



59.7368, 82.3026, 84.3310



18.5838, 18.2168, 21.6913



26.4784, 13.0806, 26.9674



2.6222, 1.2913, 2.8580

Previews

White Background



This preview shows how the XYZ color 63.7763, 44.5876, 76.4790 looks on a white background.

Color Contrast Check

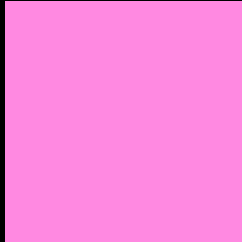
Large Text (above 18pt) WCAG AA × Fail

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 63.7763, 44.5876, 76.4790 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 63.7763, 44.5876, 76.4790

Background



This preview shows how black text looks on a background with the XYZ color 63.7763, 44.5876, 76.4790.



This preview shows how white text looks on a background with the XYZ color 63.7763, 44.5876,

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

63.7763, 44.5876, 76.4790

Protanopia

46.7412, 45.0764, 100.0030

Deuteranopia

45.8894, 44.9520, 72.5876



Tritanopia

56.1393, 44.3778, 39.7893

Trichromacy



Original Color

63.7763, 44.5876, 76.4790



Protanomaly

50.5838, 43.3881, 90.5027



Deuteranomaly

50.9729, 43.6893, 74.1529



Tritanomaly

58.6660, 44.2628, 51.3505

Monochromacy



Original Color

63.7763, 44.5876, 76.4790



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

50.1238, 44.9050, 59.4518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7763, 44.5876, 76.4790 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, 137, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 225)  
}
```

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, 137, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 225) }
```

Border

The CSS property to change the border of an element to XYZ 63.7763, 44.5876, 76.4790 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, 137, 225) }
```


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

```
.border{ border-color:rgb(255, 137, 225) }
```

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

Here you see how a box with a 4 pixel rgb(255, 137, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7763, 44.5876, 76.4790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 137, 225) }
```

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

```
.background{ background-color: rgb(255,  
137, 225) }
```

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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