

Converting Colors

XYZ(65.3350, 44.7007, 86.2610)

Have a look what the booklet for
XYZ(65.3350, 44.7007, 86.2610)
contains.

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Color

**XYZ(65.3366, 44.7610,
86.0850)**

Conversions

Conversions Part 1

Format	Color
Hex	FF87EE
RGB	255, 135, 238
RGB Percent	100%, 53%, 93%
CMY	0.0000, 0.4706, 0.0667
CMYK	0.00, 0.47, 0.07, 0.00
HSL	309°, 100%, 76%
HSV	309°, 47%, 100%
XYZ	65.3366, 44.7610, 86.0850
YIQ	182.6220, 38.4570, 57.4730

Conversions

Conversions Part 2

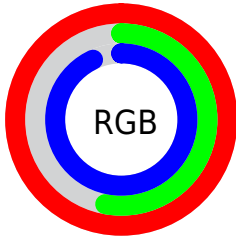
Format	Color
RYB	255, 135, 238
Decimal	16746478
CIELab	72.73, 58.80, -31.94
CIElCh	73, 66.917, 331.486
Yxy	44.7610, 0.3330, 0.2282
Android (android.graphics.Color)	4294936558 (0xFFFF87EE)
YUV	182.6220, 27.3014, 63.4755
Hunter-Lab	66.9037, 57.2376, -29.4559

Details

The XYZ color **65.3366, 44.7610, 86.0850** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **51.4206, 78.9386, 42.2347**, and the grayscale version is **44.6448, 46.9698, 51.1501**.

A 20% lighter version of the original color is **77.9208, 65.7416, 103.1903**, and **34.0771, 20.8505, 46.4845** is the 20% darker color. If you saturate the color by 10%, you get **61.6699, 38.2685, 82.2708**, and if you desaturate by 10%, it is **69.8677, 52.9651, 90.2410**.

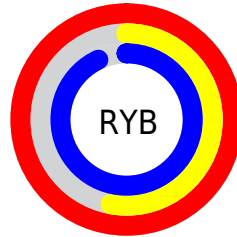
Distribution



Red (100%)

Green (53%)

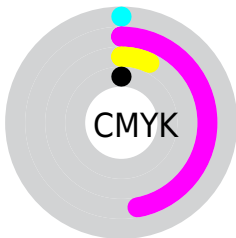
Blue (93%)



Red (100%)

Yellow (53%)

Blue (93%)

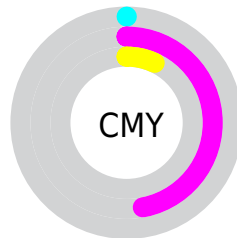


Cyan (0%)

Magenta (47%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.3366, 44.7610, 86.0850 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 65.3366, 44.7610, 86.0850 by changing the saturation by 10% instead.


 65.3366, 44.7610,
86.0850


 65.3366, 44.7610,
86.0850


433.5267,
365.8047, 535.4494


 47.9998, 31.2692,
64.1830

 111.5967, 82.3617,
143.7757

 34.0380, 20.8039,
46.3518


 141.2506,
107.2393, 180.4014

 23.0858, 12.9808,
32.1728


 175.7410,
136.6810, 222.7721

 14.7779, 7.4153,
21.2276

215.4332,
171.0713, 271.3064

 8.7490, 3.7232,
13.0976

260.6925,
210.7943, 326.4227

 4.6336, 1.5199,
7.3643

311.8842,

 2.0665, 0.3027,

256.2347, 388.5396

3.6091

369.3739,
307.7767, 458.0756

■ 0.6709, 0.0000,
1.4134

■ 0.0000, 0.0000,
0.1522

■ 65.3366, 44.7610,
86.0850

■ 65.3366, 44.7610,
86.0850

■ 61.6699, 38.2685,
82.2708

■ 69.8677, 52.9651,
90.2410

■ 58.8029, 33.3585,
78.7749

■ 75.3162, 62.9868,
94.7551

■ 56.6664, 29.8925,
75.5743

■ 81.7339, 74.9300,
99.6455

■ 55.1777, 27.7055,
72.6414

■ 89.1683, 88.8889,
104.9281

■ 54.2315, 26.5870,
69.9406

95.0500, 100.0000,
108.9000

■ 54.0097, 26.3679,
69.1742

Harmonies

Analogous

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



55.3049, 44.7610, 126.1450



65.3366, 44.7610, 86.0850



68.9986, 44.7610, 47.0979

Triad

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



65.3366, 44.7610, 86.0850



41.9677, 44.7610, 8.6858



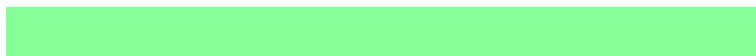
26.2012, 44.7610, 90.3496

Complementary

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



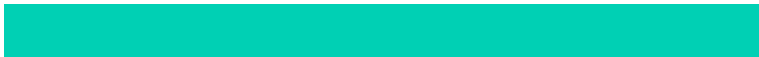
65.3366, 44.7610, 86.0850



51.4206, 78.9386, 42.2347

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.



23.8979, 44.7610, 50.4139



65.3366, 44.7610, 86.0850



31.9145, 44.7610, 12.0134

Square

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



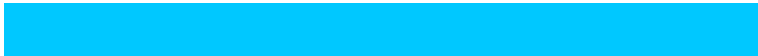
65.3366, 44.7610, 86.0850



54.1191, 44.7610, 11.3733



25.7844, 44.7610, 24.1386



32.7495, 44.7610, 129.2963

Rectangle

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



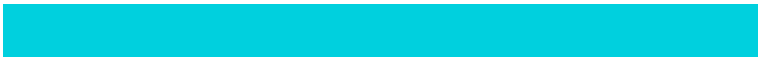
65.3366, 44.7610, 86.0850



66.8888, 44.7610, 28.8657



25.7844, 44.7610, 24.1386



24.9646, 44.7610, 76.1136

Sweetspot

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



65.3376, 44.7628, 86.0859



83.8962, 78.9782, 101.2177



39.4784, 31.1295, 98.5356



17.6284, 16.2887, 21.4264



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.



65.3376, 44.7628, 86.0859



62.0184, 38.8774, 82.6584



58.0419, 41.8445, 47.6676



18.6755, 18.2535, 22.1742



28.2637, 13.7948, 36.3689



2.7810, 1.3548, 3.6941

Inverse Universe

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



65.3376, 44.7628, 86.0859



62.0184, 38.8774, 82.6584



57.5109, 81.3747, 74.3053



18.6755, 18.2535, 22.1742



28.2637, 13.7948, 36.3689



2.7810, 1.3548, 3.6941

Previews

White Background



This preview shows how the XYZ color 65.3366, 44.7610, 86.0850 looks on a white background.

Color Contrast Check

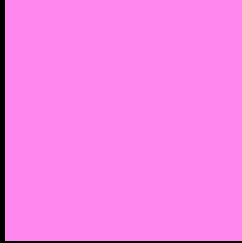
Large Text (above 18pt) WCAG AA × Fail

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 65.3366, 44.7610, 86.0850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

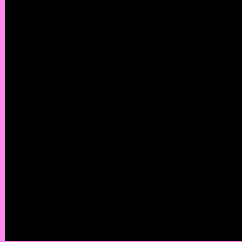
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.3366, 44.7610, 86.0850

Background



This preview shows how black text looks on a background with the XYZ color 65.3366, 44.7610, 86.0850.



This preview shows how white text looks on a background with the XYZ color 65.3366, 44.7610,

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

65.3366, 44.7610, 86.0850

Protanopia

46.7122, 45.0430, 100.8399

Deuteranopia

46.0976, 45.1450, 81.8856



Tritanopia

55.8451, 44.6936, 40.3337

Trichromacy



Original Color

65.3366, 44.7610, 86.0850



Protanomaly

51.0790, 43.2764, 95.2836



Deuteranomaly

51.4156, 43.7096, 83.5688



Tritanomaly

58.6401, 44.4152, 54.1975

Monochromacy



Original Color

65.3366, 44.7610, 86.0850



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

50.7102, 45.1395, 62.5400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.3366, 44.7610, 86.0850 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, 135, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 238)  
}
```

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, 135, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 238) }
```

Border

The CSS property to change the border of an element to XYZ 65.3366, 44.7610, 86.0850 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, 135, 238) }
```


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

```
.border{ border-color:rgb(255, 135, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 135, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 65.3366, 44.7610, 86.0850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 238) }
```

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

```
.background{ background-color: rgb(255,  
135, 238) }
```

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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