

Converting Colors

XYZ(65.8792, 44.3901, 90.7552)

Have a look what the booklet for
XYZ(65.8792, 44.3901, 90.7552)
contains.

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Color

**XYZ(65.8204, 44.2942,
90.6685)**

Conversions

Conversions Part 1

Format	Color
Hex	FF84F4
RGB	255, 132, 244
RGB Percent	100%, 52%, 96%
CMY	0.0000, 0.4823, 0.0431
CMYK	0.00, 0.48, 0.04, 0.00
HSL	305°, 100%, 76%
HSV	305°, 48%, 100%
XYZ	65.8204, 44.2942, 90.6685
YIQ	181.5450, 37.3560, 60.9080

Conversions

Conversions Part 2

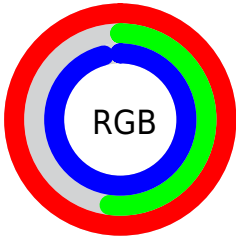
Format	Color
RYB	255, 132, 244
Decimal	16745716
CIELab	72.42, 61.22, -35.70
CIElCh	72, 70.871, 329.749
Yxy	44.2942, 0.3278, 0.2206
Android (android.graphics.Color)	4294935796 (0xFFFF84F4)
YUV	181.5450, 30.7903, 64.4200
Hunter-Lab	66.5539, 60.0635, -34.1850

Details

The XYZ color **65.8204, 44.2942, 90.6685** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **50.2351, 78.4094, 38.4757**, and the grayscale version is **44.0415, 46.3351, 50.4589**.

A 20% lighter version of the original color is **77.4876, 64.8752, 103.0459**, and **34.3190, 20.4925, 49.1603** is the 20% darker color. If you saturate the color by 10%, you get **62.4314, 38.0668, 87.8415**, and if you desaturate by 10%, it is **70.0606, 52.2168, 93.8015**.

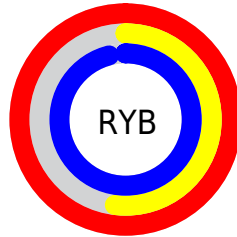
Distribution



Red (100%)

Green (52%)

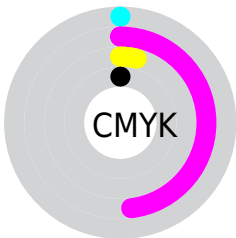
Blue (96%)



Red (100%)

Yellow (52%)

Blue (96%)

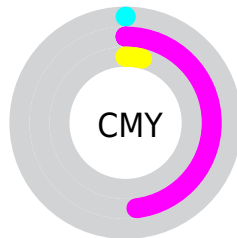


Cyan (0%)

Magenta (48%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (48%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.8204, 44.2942, 90.6685 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 65.8204, 44.2942, 90.6685 by changing the saturation by 10% instead.


 65.8204, 44.2942,
90.6685


 65.8204, 44.2942,
90.6685


435.2331,
363.9075, 550.8292


 48.3938, 30.9019,
67.9584

 112.2877, 81.6603,
150.2102

 34.3514, 20.5241,
49.3974

 142.0591,
106.4028, 187.8790

 23.3278, 12.7766,
34.5670


 176.6761,
135.6975, 231.3710

 14.9578, 7.2749,
23.0487

216.5041,
169.9287, 281.1048

 8.8759, 3.6346,
14.4238

261.9084,
209.4810, 337.4990

 4.7168, 1.4713,
8.2739

313.2545,

 2.1151, 0.2684,

254.7386, 400.9721

4.1804

370.9076,
306.0860, 471.9426

■ 0.6974, 0.0000,
1.7248

■ 0.0000, 0.0000,
0.3777

■ 65.8204, 44.2942,
90.6685

■ 65.8204, 44.2942,
90.6685

■ 62.4314, 38.0668,
87.8415

■ 70.0606, 52.2168,
93.8015

■ 59.8280, 33.4038,
85.2968

■ 75.2054, 61.9418,
97.2567

■ 57.9397, 30.1645,
83.0115

■ 81.3072, 73.5741,
101.0522

■ 56.6824, 28.1800,
80.9575

■ 88.4138, 87.2089,
105.2040

■ 55.9396, 27.2181,
79.0958

95.0500, 100.0000,
108.9000

■ 55.8333, 27.0973,
78.7772

Harmonies

Analogous

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



54.8619, 44.2942, 133.3629



65.8204, 44.2942, 90.6685



70.2227, 44.2942, 48.5241

Triad

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



65.8204, 44.2942, 90.6685



42.2033, 44.2942, 7.3911



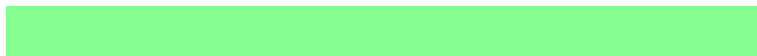
24.8250, 44.2942, 89.8933

Complementary

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



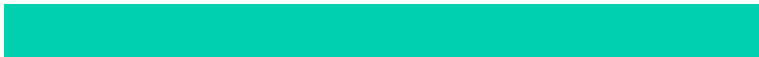
65.8204, 44.2942, 90.6685



50.2351, 78.4094, 38.4757

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.



22.7117, 44.2942, 47.9348



65.8204, 44.2942, 90.6685



31.4891, 44.2942, 10.2311

Square

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



65.8204, 44.2942, 90.6685



55.0748, 44.2942, 10.3363



24.8974, 44.2942, 21.6603



31.3425, 44.2942, 132.7832

Rectangle

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



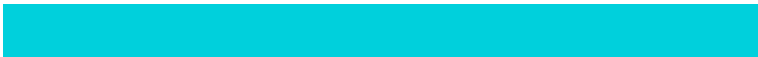
65.8204, 44.2942, 90.6685



68.2980, 44.2942, 28.8849



24.8974, 44.2942, 21.6603



23.6393, 44.2942, 74.7126

Sweetspot

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



65.8214, 44.2960, 90.6694



84.1900, 79.0958, 102.7652



37.5014, 29.4977, 98.3248



17.7007, 16.3176, 21.8074



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.



65.8214, 44.2960, 90.6694



62.5011, 38.1935, 87.9040



58.0658, 41.1937, 49.8291



18.7185, 18.2707, 22.4006



29.2031, 14.1705, 41.3154



2.8631, 1.3876, 4.1264

Inverse Universe

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



65.8214, 44.2960, 90.6694



62.5011, 38.1935, 87.9040



56.1461, 80.7738, 69.6030



18.7185, 18.2707, 22.4006



29.2031, 14.1705, 41.3154



2.8631, 1.3876, 4.1264

Previews

White Background



This preview shows how the XYZ color 65.8204, 44.2942, 90.6685 looks on a white background.

Color Contrast Check

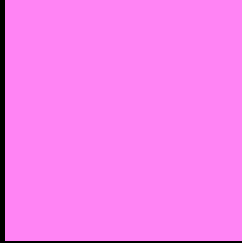
Large Text (above 18pt) WCAG AA × Fail

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 65.8204, 44.2942, 90.6685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

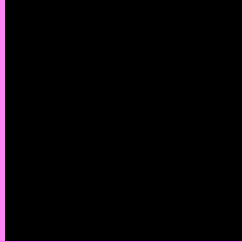
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.8204, 44.2942, 90.6685

Background



This preview shows how black text looks on a background with the XYZ color 65.8204, 44.2942, 90.6685.



This preview shows how white text looks on a background with the XYZ color 65.8204, 44.2942,

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

65.8204, 44.2942, 90.6685

Protanopia

46.5242, 44.9461, 100.8311

Deuteranopia

45.5746, 44.5026, 85.5447



Tritanopia

55.2444, 44.1543, 39.7934

Trichromacy



Original Color

65.8204, 44.2942, 90.6685



Protanomaly

50.9697, 42.9255, 96.8658



Deuteranomaly

50.7431, 42.7640, 87.2412



Tritanomaly

58.5546, 43.8920, 55.2550

Monochromacy



Original Color

65.8204, 44.2942, 90.6685



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

50.5894, 44.5140, 63.6833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.8204, 44.2942, 90.6685 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, 132, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 132, 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, 132, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 132, 244) }
```

Border

The CSS property to change the border of an element to XYZ 65.8204, 44.2942, 90.6685 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, 132, 244) }
```


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

```
.border{ border-color:rgb(255, 132, 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, 132, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 132, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 132, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 132,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 65.8204, 44.2942, 90.6685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 132, 244) }
```

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

```
.background{ background-color: rgb(255,  
132, 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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