

Converting Colors

XYZ(65.2514, 42.8138, 91.5344)

Have a look what the booklet for
XYZ(65.2514, 42.8138, 91.5344)
contains.

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Color

**XYZ(65.1823, 42.7743,
91.2070)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7EF5
RGB	255, 126, 245
RGB Percent	100%, 49%, 96%
CMY	0.0000, 0.5059, 0.0392
CMYK	0.00, 0.51, 0.04, 0.00
HSL	305°, 100%, 75%
HSV	305°, 51%, 100%
XYZ	65.1823, 42.7743, 91.2070
YIQ	178.1370, 38.6850, 64.3570

Conversions

Conversions Part 2

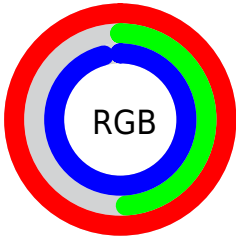
Format	Color
R _Y B	255, 126, 245
Decimal	16744181
CIE _{Lab}	71.40, 64.20, -37.84
CIE _{LCh}	71, 74.519, 329.483
Y _{xy}	42.7743, 0.3273, 0.2148
Android (android.graphics.Color)	4294934261 (0xFFFF7EF5)
YUV	178.1370, 32.9635, 67.4089
Hunter-Lab	65.4021, 63.4466, -36.9019

Details

The XYZ color **65.1823, 42.7743, 91.2070** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **48.8095, 77.7338, 35.7263**, and the grayscale version is **42.2074, 44.4055, 48.3576**.

A 20% lighter version of the original color is **76.2235, 62.3470, 102.6245**, and **33.9702, 19.6228, 49.5741** is the 20% darker color. If you saturate the color by 10%, you get **62.0272, 36.9443, 88.6748**, and if you desaturate by 10%, it is **69.1733, 50.2706, 94.0348**.

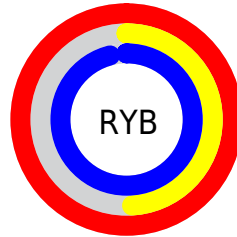
Distribution



Red (100%)

Green (49%)

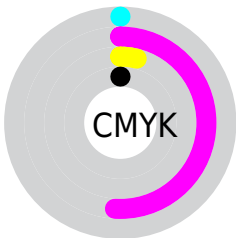
Blue (96%)



Red (100%)

Yellow (49%)

Blue (96%)

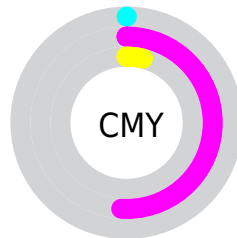


Cyan (0%)

Magenta (51%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (51%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.1823, 42.7743, 91.2070 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 65.1823, 42.7743, 91.2070 by changing the saturation by 10% instead.


 65.1823, 42.7743,
91.2070


 65.1823, 42.7743,
91.2070


432.9817,
357.6828, 552.6205

 47.8742, 29.7081,
68.4028

 111.3762, 79.3702,
150.9640

 33.9381, 19.6171,
49.7568

 140.9926,
103.6686, 188.7538

 23.0087, 12.1170,
34.8504


 175.4425,
132.4798, 232.3760

 14.7207, 6.8234,
23.2650


215.0912,
166.1884, 282.2491

 8.7086, 3.3519,
14.5822

260.3042,
205.1785, 338.7915

 4.6072, 1.3181,
8.3833

311.4467,

 2.0511, 0.1552,

249.8347, 402.4218

4.2499

368.8840,
300.5413, 473.5587

■ 0.6624, 0.0000,
1.7634

■ 0.0000, 0.0000,
0.4037

■ 65.1823, 42.7743,
91.2070

■ 65.1823, 42.7743,
91.2070

■ 62.0272, 36.9443,
88.6748

■ 69.1733, 50.2706,
94.0348

■ 59.6408, 32.6467,
86.4142

■ 74.0551, 59.5435,
97.1749

■ 57.9500, 29.7354,
84.4013

■ 79.8812, 70.6998,
100.6459

■ 56.8666, 28.0335,
82.6066

■ 86.7001, 83.8363,
104.4637

■ 56.2691, 27.2716,
81.0721

94.5567, 99.0433,
108.6436

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.



53.7230, 42.7743, 136.3269



65.1823, 42.7743, 91.2070



69.8668, 42.7743, 47.2000

Triad

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



65.1823, 42.7743, 91.2070



40.8737, 42.7743, 6.0163



23.0629, 42.7743, 89.5278

Complementary

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



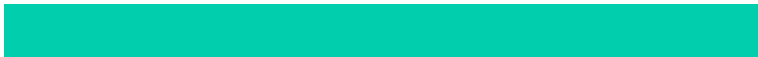
65.1823, 42.7743, 91.2070



48.8095, 77.7338, 35.7263

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.



20.9882, 42.7743, 45.9535



65.1823, 42.7743, 91.2070



29.9003, 42.7743, 8.6037

Square

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



65.1823, 42.7743, 91.2070



54.1782, 42.7743, 8.8075



23.2124, 42.7743, 19.5614



29.5942, 42.7743, 135.0556

Rectangle

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



65.1823, 42.7743, 91.2070



67.9048, 42.7743, 27.1209



23.2124, 42.7743, 19.5614



21.8891, 42.7743, 73.6288

Sweetspot

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



65.1832, 42.7760, 91.2079



83.5647, 77.7874, 102.7346



35.4401, 27.2616, 98.0019



17.5808, 16.0614, 21.8179



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.



65.1832, 42.7760, 91.2079



61.9135, 36.7368, 88.5759



57.1352, 39.5568, 48.8276



18.7283, 18.2746, 22.4525



29.4274, 14.2602, 42.4965



2.8826, 1.3954, 4.2291

Inverse Universe

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



65.1832, 42.7760, 91.2079



61.9135, 36.7368, 88.5759



54.6859, 80.0844, 66.6710



18.7283, 18.2746, 22.4525



29.4274, 14.2602, 42.4965



2.8826, 1.3954, 4.2291

Previews

White Background



This preview shows how the XYZ color 65.1823, 42.7743, 91.2070 looks on a white background.

Color Contrast Check

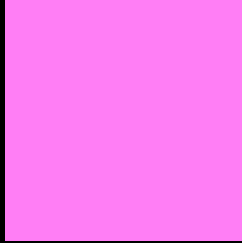
Large Text (above 18pt) WCAG AA × Fail

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 65.1823, 42.7743, 91.2070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

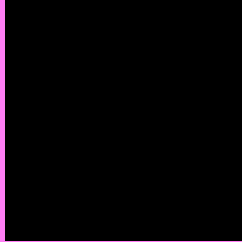
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.1823, 42.7743, 91.2070

Background



This preview shows how black text looks on a background with the XYZ color 65.1823, 42.7743, 91.2070.



This preview shows how white text looks on a background with the XYZ color 65.1823, 42.7743,

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

65.1823, 42.7743, 91.2070

Protanopia

45.0262, 43.3102, 100.5943

Deuteranopia

44.1343, 43.1697, 86.1272



Tritanopia

54.2615, 42.7485, 37.7392

Trichromacy



Original Color

65.1823, 42.7743, 91.2070



Protanomaly

49.5508, 41.1811, 96.6039



Deuteranomaly

49.6090, 41.4057, 87.8155



Tritanomaly

57.5938, 42.3227, 53.8488

Monochromacy



Original Color

65.1823, 42.7743, 91.2070



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

48.5124, 42.1824, 61.4622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.1823, 42.7743, 91.2070 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, 126, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 126, 245)  
}
```

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, 126, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 126, 245) }
```

Border

The CSS property to change the border of an element to XYZ 65.1823, 42.7743, 91.2070 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, 126, 245) }
```


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

```
.border{ border-color:rgb(255, 126, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 126, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 126, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 126, 245); box-shadow:4px 4px 4px 4px rgb(255, 126, 245) }
```

Background

The CSS property to change the background color of an element to XYZ 65.1823, 42.7743, 91.2070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 126, 245) }
```

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

```
.background{ background-color: rgb(255,  
126, 245) }
```

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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