

Converting Colors

XYZ(65.6152, 42.3818, 95.2306)

Have a look what the booklet for
XYZ(65.6152, 42.3818, 95.2306)
contains.

XYZ(65.5783, 42.3280, 95.1563)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(65.5783, 42.3280,
95.1563)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7BFA
RGB	255, 123, 250
RGB Percent	100%, 48%, 98%
CMY	0.0000, 0.5176, 0.0196
CMYK	0.00, 0.52, 0.02, 0.00
HSL	302°, 100%, 74%
HSV	302°, 52%, 100%
XYZ	65.5783, 42.3280, 95.1563
YIQ	176.9460, 37.9050, 67.4810

Conversions

Conversions Part 2

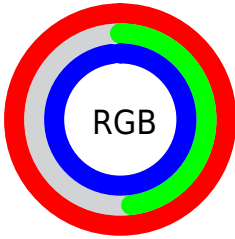
Format	Color
R _Y B	255, 123, 250
Decimal	16743418
CIE Lab	71.10, 66.40, -41.05
CIE LCh	71, 78.066, 328.276
Yxy	42.3280, 0.3229, 0.2084
Android (android.graphics.Color)	4294933498 (0xFFFF7BFA)
YUV	176.9460, 36.0156, 68.4534
Hunter-Lab	65.0600, 66.0671, -41.1752

Details

The XYZ color **65.5783, 42.3280, 95.1563** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **47.8259, 77.2901, 32.8217**, and the grayscale version is **41.5659, 43.7306, 47.6226**.

A 20% lighter version of the original color is **75.6113, 61.1225, 102.4204**, and **34.2809, 19.3666, 52.3834** is the 20% darker color. If you saturate the color by 10%, you get **62.6659, 36.7449, 93.4408**, and if you desaturate by 10%, it is **69.3168, 49.5618, 97.1522**.

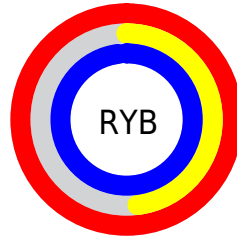
Distribution



Red (100%)

Green (48%)

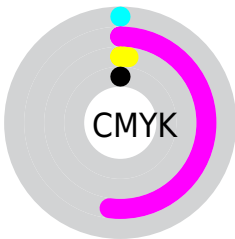
Blue (98%)



Red (100%)

Yellow (48%)

Blue (98%)

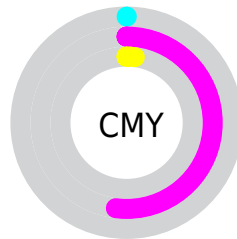


Cyan (0%)

Magenta (52%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (52%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.5783, 42.3280, 95.1563 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 65.5783, 42.3280, 95.1563 by changing the saturation by 10% instead.


 65.5783, 42.3280,
95.1563


 65.5783, 42.3280,
95.1563


434.3797,
355.8408, 565.6624


 48.1966, 29.3582,
71.6675

 111.9420, 78.6958,
156.4780

 34.1945, 19.3520,
52.4019


 141.6546,
102.8626, 195.1479

 23.2067, 11.9249,
36.9411


 176.2083,
131.5305, 239.7152

 14.8677, 6.6925,
24.8664

215.9684,
165.0840, 290.5985

 8.8123, 3.2706,
15.7595

261.3002,
203.9073, 348.2163

 4.6751, 1.2746,
9.2016

312.5691,

 2.0907, 0.1214,

248.3850, 412.9872

4.7743

370.1405,
298.9014, 485.3297

■ 0.6841, 0.0000,
2.0590

■ 0.0000, 0.0000,
0.5912

■ 65.5783, 42.3280,
95.1563

■ 65.5783, 42.3280,
95.1563

■ 62.6659, 36.7449,
93.4408

■ 69.3168, 49.5618,
97.1522

■ 60.5118, 32.6771,
91.9812

■ 73.9372, 58.5584,
99.4453

■ 59.0413, 29.9755,
90.7534

■ 79.4935, 69.4255,
102.0542

■ 58.1640, 28.4588,
89.7270

■ 86.0345, 82.2607,
104.9952

■ 57.7737, 27.8735,
88.9953

■ 93.6057, 97.1552,
108.2834

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.



53.3307, 42.3280, 142.7937



65.5783, 42.3280, 95.1563



70.8936, 42.3280, 48.2839

Triad

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



65.5783, 42.3280, 95.1563



40.9911, 42.3280, 5.1088



21.9291, 42.3280, 89.2129

Complementary

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



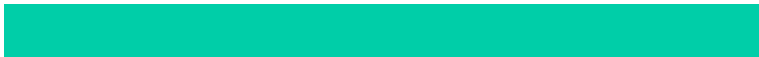
65.5783, 42.3280, 95.1563



47.8259, 77.2901, 32.8217

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.



19.9979, 42.3280, 43.9597



65.5783, 42.3280, 95.1563



29.4747, 42.3280, 7.3450

Square

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



65.5783, 42.3280, 95.1563



54.9241, 42.3280, 7.9990



22.4367, 42.3280, 17.6829



28.4249, 42.3280, 138.2481

Rectangle

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



65.5783, 42.3280, 95.1563



69.0788, 42.3280, 27.0220



22.4367, 42.3280, 17.6829



20.7957, 42.3280, 72.5039

Sweetspot

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



65.5792, 42.3296, 95.1571



83.1394, 76.5753, 103.7073



33.9467, 25.9307, 97.8237



17.5083, 15.8273, 22.0685



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.



65.5792, 42.3296, 95.1571



62.6062, 36.6312, 93.4032



57.0388, 38.9135, 50.1844



18.7612, 18.2878, 22.6256



30.2012, 14.5698, 46.5714



2.9495, 1.4222, 4.5815

Inverse Universe

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



65.5792, 42.3296, 95.1571



62.6062, 36.6312, 93.4032



53.5999, 79.5997, 63.2273



18.7612, 18.2878, 22.6256



30.2012, 14.5698, 46.5714



2.9495, 1.4222, 4.5815

Previews

White Background



This preview shows how the XYZ color 65.5783, 42.3280, 95.1563 looks on a white background.

Color Contrast Check

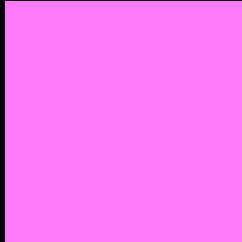
Large Text (above 18pt) WCAG AA × Fail

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 65.5783, 42.3280, 95.1563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

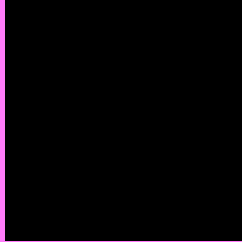
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.5783, 42.3280, 95.1563

Background



This preview shows how black text looks on a background with the XYZ color 65.5783, 42.3280, 95.1563.



This preview shows how white text looks on a background with the XYZ color 65.5783, 42.3280,

95.1563.

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

65.5783, 42.3280, 95.1563

Protanopia

44.4796, 42.7448, 100.5140

Deuteranopia

43.5786, 42.5313, 89.1316



Tritanopia

53.6729, 42.2252, 37.2197

Trichromacy



Original Color

65.5783, 42.3280, 95.1563



Protanomaly

49.2928, 40.5173, 98.1511



Deuteranomaly

48.8710, 40.4617, 90.8221



Tritanomaly

57.2038, 41.8950, 54.3618

Monochromacy



Original Color

65.5783, 42.3280, 95.1563



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

48.1329, 41.4527, 62.5910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.5783, 42.3280, 95.1563 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, 123, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 123, 250)  
}
```

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, 123, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 123, 250) }
```

Border

The CSS property to change the border of an element to XYZ 65.5783, 42.3280, 95.1563 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, 123, 250) }
```


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

```
.border{ border-color:rgb(255, 123, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 123, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 123, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 123, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 123,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 65.5783, 42.3280, 95.1563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 123, 250) }
```

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

```
.background{ background-color: rgb(255,  
123, 250) }
```

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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