

Converting Colors

XYZ(35.9039, 31.5816, 96.6733)

Have a look what the booklet for
XYZ(35.9039, 31.5816, 96.6733)
contains.

XYZ(35.7221, 31.4166, 96.2767)	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(35.7221, 31.4166,
96.2767)**

Conversions

Conversions Part 1

Format	Color
Hex	7A91FC
RGB	122, 145, 252
RGB Percent	48%, 57%, 99%
CMY	0.5215, 0.4314, 0.0118
CMYK	0.52, 0.42, 0.00, 0.01
HSL	229°, 96%, 73%
HSV	229°, 52%, 99%
XYZ	35.7221, 31.4166, 96.2767
YIQ	150.3210, -48.0550, 28.4010

Conversions

Conversions Part 2

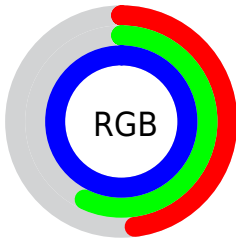
Format	Color
R_{YB}	122, 142, 252
Decimal	8032764
CIE _{Lab}	62.86, 20.93, -56.00
CIE _{LCh}	63, 59.783, 290.489
Yxy	31.4166, 0.2186, 0.1922
Android (android.graphics.Color)	4286222844 (0xFF7A91FC)
YUV	150.3210, 50.1277, -24.8375
Hunter-Lab	56.0505, 15.6732, -62.6057

Details

The XYZ color **35.7221, 31.4166, 96.2767** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **71.6791, 78.1424, 29.7194**, and the grayscale version is **28.9352, 30.4420, 33.1514**.

A 20% lighter version of the original color is **57.5295, 57.8906, 102.7496**, and **15.8060, 13.0852, 53.3224** is the 20% darker color. If you saturate the color by 10%, you get **29.7201, 24.0395, 95.1698**, and if you desaturate by 10%, it is **43.2302, 40.4299, 97.6214**.

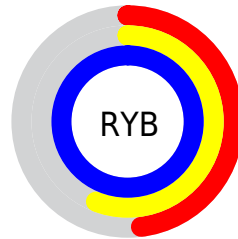
Distribution



Red (48%)

Green (57%)

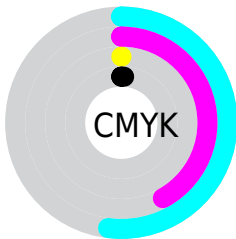
Blue (99%)



Red (48%)

Yellow (56%)

Blue (99%)

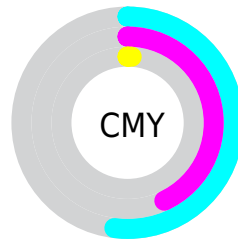


Cyan (52%)

Magenta (42%)

Yellow (0%)

Black (1%)



Cyan (52%)

Magenta (43%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7221, 31.4166, 96.2767 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 35.7221, 31.4166, 96.2767 by changing the saturation by 10% instead.

■ 35.7221, 31.4166,
96.2767

■ 35.7221, 31.4166,
96.2767

319.1967,
308.4530, 569.3326

■ 24.3888, 20.9163,
72.5953

■ 67.9296, 61.8954,
158.0380

■ 15.7485, 13.0628,
53.1553

■ 89.5345, 82.6426,
196.9549

■ 9.4361, 7.4718,
37.5382

■ 115.2939,
107.5743, 241.7874

■ 5.0861, 3.7589,
25.3254

145.5732,
137.0748, 292.9540

■ 2.3331, 1.5396,
16.0984

180.7378,
171.5285, 350.8733

■ 0.8115, 0.3164,
9.4387

221.1530,

■ 0.0000, 0.0000,

211.3199, 415.9638

4.9277

267.1842,
256.8333, 488.6441

■ 0.0000, 0.0000,
2.1469

■ 0.0000, 0.0000,
0.6435

■ 35.7221, 31.4166,
96.2767

■ 35.7221, 31.4166,
96.2767

■ 29.7201, 24.0395,
95.1698

■ 43.2302, 40.4299,
97.6214

■ 25.1159, 18.1946,
94.2843

■ 52.3349, 51.1681,
99.2142

■ 21.7920, 13.7708,
93.6056

■ 63.1241, 63.7171,
101.0677

■ 19.6088, 10.6388,
93.1161

■ 75.6780, 78.1563,
103.1931

■ 18.4932, 8.8731,
92.8341

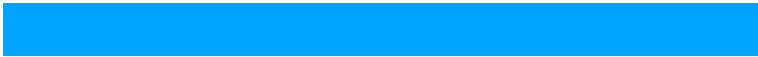
■ 90.0716, 94.5601,
105.6007

■ 94.5708, 99.8083,
106.3766

Harmonies

Analogous

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



27.3321, 31.4166, 100.7999



35.7221, 31.4166, 96.2767



43.7403, 31.4166, 71.6961

Triad

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



35.7221, 31.4166, 96.2767



41.0483, 31.4166, 9.8687



16.8609, 31.4166, 27.2801

Complementary

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



35.7221, 31.4166, 96.2767



71.6791, 78.1424, 29.7194

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.



19.2797, 31.4166, 12.7811



35.7221, 31.4166, 96.2767



32.5403, 31.4166, 6.2136

Square

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



35.7221, 31.4166, 96.2767



47.1848, 31.4166, 20.7189



24.6780, 31.4166, 6.9582



17.3996, 31.4166, 52.5578

Rectangle

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



35.7221, 31.4166, 96.2767



47.3098, 31.4166, 51.5993



24.6780, 31.4166, 6.9582



17.3354, 31.4166, 21.2417

Sweetspot

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



35.7234, 31.4177, 96.2775



73.1168, 74.9851, 105.2276



56.8645, 79.3701, 85.8443



15.0635, 15.3757, 22.4238



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.



35.7234, 31.4177, 96.2775



30.2859, 24.3896, 97.7192



39.6704, 28.7535, 95.5552



16.5313, 17.1393, 21.8222



9.7072, 4.7701, 48.3826



0.9654, 0.5745, 4.5032

Inverse Universe

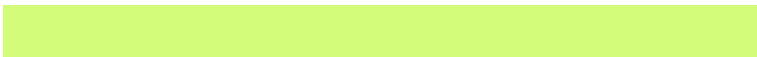
The Inverse Universe completely reimagines the original color for something new.



52.2164, 36.6605, 31.1128



49.1987, 31.2682, 22.7999



65.1408, 84.8512, 31.3590



17.3699, 17.2753, 18.5378



21.1918, 10.8924, 2.4525



1.9962, 1.0222, 0.4034

Previews

White Background



This preview shows how the XYZ color 35.7221, 31.4166, 96.2767 looks on a white background.

Color Contrast Check

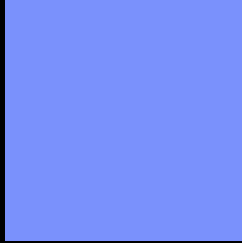
Large Text (above 18pt) WCAG AA × Fail

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 35.7221, 31.4166, 96.2767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

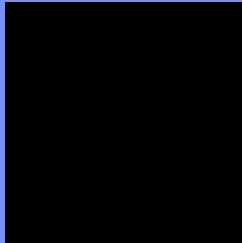
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.7221, 31.4166, 96.2767

Background



This preview shows how black text looks on a background with the XYZ color 35.7221, 31.4166, 96.2767.



This preview shows how white text looks on a background with the XYZ color 35.7221, 31.4166,

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

35.7221, 31.4166, 96.2767

Protanopia

34.7033, 31.5256, 98.8637

Deuteranopia

32.5081, 31.4333, 94.7964



Tritanopia

25.5880, 31.4772, 45.2845

Trichromacy



Original Color

35.7221, 31.4166, 96.2767

Protanomaly

35.0052, 31.4679, 97.9949

Deuteranomaly

33.4156, 31.1693, 95.5219

Tritanomaly

28.6118, 31.1529, 61.0050

Monochromacy



Original Color

35.7221, 31.4166, 96.2767

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.3748, 30.3431, 51.2696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7221, 31.4166, 96.2767 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(122, 145, 252)` looks like.

```
.text, #text, p{  
    color:rgb(122, 145, 252)  
}
```

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(122, 145, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 145, 252) }
```

Border

The CSS property to change the border of an element to XYZ 35.7221, 31.4166, 96.2767 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(122, 145, 252) }
```


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

```
.border{ border-color:rgb(122, 145, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 145, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 145, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 145, 252);  
box-shadow:4px 4px 4px 4px rgb(122, 145,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7221, 31.4166, 96.2767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 145, 252) }
```

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

```
.background{ background-color: rgb(122,  
145, 252) }
```

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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