

Converting Colors

XYZ(35.3754, 30.7749, 76.7486)

Have a look what the booklet for
XYZ(35.3754, 30.7749, 76.7486)
contains.

XYZ(35.4226, 30.7988, 76.7508)	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(35.4226, 30.7988,
76.7508)**

Conversions

Conversions Part 1

Format	Color
Hex	938DE3
RGB	147, 141, 227
RGB Percent	58%, 55%, 89%
CMY	0.4235, 0.4470, 0.1098
CMYK	0.35, 0.38, 0.00, 0.11
HSL	244°, 61%, 72%
HSV	244°, 38%, 89%
XYZ	35.4226, 30.7988, 76.7508
YIQ	152.5980, -24.0300, 28.0180

Conversions

Conversions Part 2

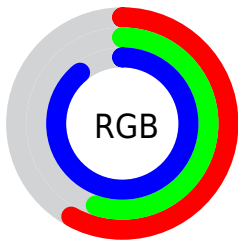
Format	Color
R _Y B	147, 141, 227
Decimal	9670115
CIE Lab	62.34, 22.16, -42.93
CIE LCh	62, 48.310, 297.300
Yxy	30.7988, 0.2478, 0.2154
Android (android.graphics.Color)	4287860195 (0xFF938DE3)
YUV	152.5980, 36.6802, -4.9094
Hunter-Lab	55.4967, 16.8144, -43.1492

Details

The XYZ color **35.4226, 30.7988, 76.7508** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **62.0959, 72.2338, 35.8700**, and the grayscale version is **29.9581, 31.5182, 34.3233**.

A 20% lighter version of the original color is **62.1937, 58.9467, 102.7076**, and **15.6060, 12.7496, 40.1665** is the 20% darker color. If you saturate the color by 10%, you get **28.9669, 23.0014, 75.5866**, and if you desaturate by 10%, it is **43.2614, 40.3286, 78.1777**.

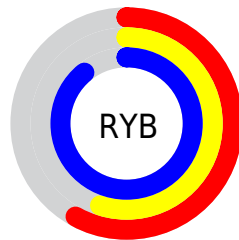
Distribution



Red (58%)

Green (55%)

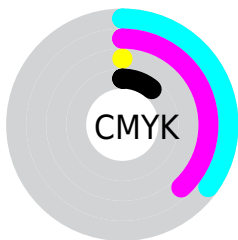
Blue (89%)



Red (58%)

Yellow (55%)

Blue (89%)

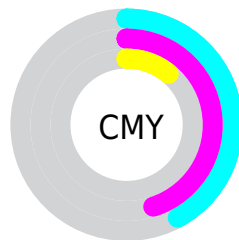


Cyan (35%)

Magenta (38%)

Yellow (0%)

Black (11%)



Cyan (42%)

Magenta (45%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4226, 30.7988, 76.7508 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 35.4226, 30.7988, 76.7508 by changing the saturation by 10% instead.

■ 35.4226, 30.7988,
76.7508

■ 35.4226, 30.7988,
76.7508

317.9052,
305.6103, 503.3290

■ 24.1566, 20.4457,
56.5380

■ 67.4696, 60.9232,
130.5574

■ 15.5752, 12.7194,
40.2276

■ 88.9814, 81.4632,
164.9884

■ 9.3130, 7.2356,
27.4009

■ 114.6392,
106.1677, 204.9958

■ 5.0046, 3.6099,
17.6394

144.8083,
135.4210, 250.9983

■ 2.2848, 1.4578,
10.5247

179.8541,
169.6075, 303.4143

■ 0.7869, 0.2588,
5.6381

220.1419,

■ 0.0000, 0.0000,

209.1116, 362.6624

2.5611

266.0372,
254.3178, 429.1611

■ 0.0000, 0.0000,
0.8723

■ 0.0000, 0.0000,
0.0000

■ 35.4226, 30.7988,
76.7508

■ 35.4226, 30.7988,
76.7508

■ 28.9669, 23.0014,
75.5866

■ 43.2614, 40.3286,
78.1777

■ 23.8108, 16.8289,
74.6669

■ 52.5539, 51.6828,
79.8795

■ 19.8667, 12.1673,
73.9750

■ 63.3695, 64.9508,
81.8704

■ 17.0351, 8.8863,
73.4910

■ 75.7725, 80.2152,
84.1630

■ 15.2002, 6.8334,
73.1914

■ 89.8235, 97.5539,
86.7692

■ 14.2121, 5.8023,
73.0445

■ 90.8652, 98.3261,
86.8633

■ 14.0762, 5.6549,
73.0232

Harmonies

Analogous

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



28.6855, 30.7988, 83.8507



35.4226, 30.7988, 76.7508



41.1707, 30.7988, 56.9730

Triad

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



35.4226, 30.7988, 76.7508



36.5994, 30.7988, 11.4535



18.4309, 30.7988, 31.8682

Complementary

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



35.4226, 30.7988, 76.7508



62.0959, 72.2338, 35.8700

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.



19.9219, 30.7988, 17.6092



35.4226, 30.7988, 76.7508



29.8691, 30.7988, 8.9033

Square

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



35.4226, 30.7988, 76.7508



41.9181, 30.7988, 19.5899



23.8804, 30.7988, 10.6451



19.4676, 30.7988, 52.8946

Rectangle

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



35.4226, 30.7988, 76.7508



43.3210, 30.7988, 42.0838



23.8804, 30.7988, 10.6451



18.6473, 30.7988, 26.2296

Sweetspot

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



35.4237, 30.8000, 76.7515



77.7890, 78.7736, 105.7126



50.7773, 63.0633, 82.1698



16.2322, 16.3480, 22.5499



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.



35.4237, 30.8000, 76.7515



39.7240, 32.3692, 98.7619



44.5595, 35.5096, 77.1791



13.6755, 13.9349, 18.1133



8.2443, 3.3160, 42.5887



0.6421, 0.2620, 3.1487

Inverse Universe

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



54.2551, 40.6019, 73.3838



67.4420, 46.8043, 93.4692



50.6989, 66.3585, 35.3366



14.9494, 14.5970, 17.9340



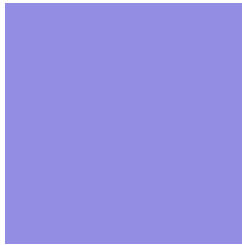
25.3620, 12.2790, 37.1309



1.8873, 0.9126, 2.8129

Previews

White Background



This preview shows how the XYZ color 35.4226, 30.7988, 76.7508 looks on a white background.

Color Contrast Check

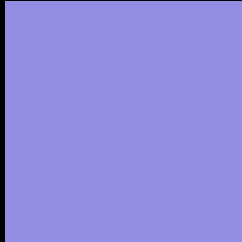
Large Text (above 18pt) WCAG AA × Fail

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 35.4226, 30.7988, 76.7508 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 35.4226, 30.7988, 76.7508

Background



This preview shows how black text looks on a background with the XYZ color 35.4226, 30.7988, 76.7508.



This preview shows how white text looks on a background with the XYZ color 35.4226, 30.7988,

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

35.4226, 30.7988, 76.7508

Protanopia

33.0436, 31.0561, 81.3436

Deuteranopia

31.8331, 31.0308, 75.5459



Tritanopia

28.1114, 30.8509, 40.5496

Trichromacy



Original Color

35.4226, 30.7988, 76.7508

Protanomaly

33.7551, 30.7661, 79.7607

Deuteranomaly

33.0633, 30.9476, 76.1824

Tritanomaly

30.3058, 30.5290, 51.8724

Monochromacy



Original Color

35.4226, 30.7988, 76.7508

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.7482, 31.3695, 47.5616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4226, 30.7988, 76.7508 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(147, 141, 227)` looks like.

```
.text, #text, p{  
    color:rgb(147, 141, 227)  
}
```

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(147, 141, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 141, 227) }
```

Border

The CSS property to change the border of an element to XYZ 35.4226, 30.7988, 76.7508 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(147, 141, 227) }
```


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

```
.border{ border-color:rgb(147, 141, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 141, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 141, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 141, 227);  
box-shadow:4px 4px 4px 4px rgb(147, 141,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4226, 30.7988, 76.7508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 141, 227) }
```

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

```
.background{ background-color: rgb(147,  
141, 227) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor