

Converting Colors

XYZ(41.7255, 37.6318, 91.3723)

Have a look what the booklet for
XYZ(41.7255, 37.6318, 91.3723)
contains.

XYZ(41.8452, 37.8186, 91.4804)	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(41.8452, 37.8186,
91.4804)**

Conversions

Conversions Part 1

Format	Color
Hex	999EF5
RGB	153, 158, 245
RGB Percent	60%, 62%, 96%
CMY	0.4000, 0.3804, 0.0392
CMYK	0.38, 0.36, 0.00, 0.04
HSL	237°, 82%, 78%
HSV	237°, 38%, 96%
XYZ	41.8452, 37.8186, 91.4804
YIQ	166.4230, -30.9070, 25.9970

Conversions

Conversions Part 2

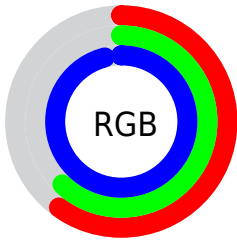
Format	Color
R _Y B	153, 158, 245
Decimal	10067701
CIE Lab	67.89, 18.79, -44.09
CIE LCh	68, 47.925, 293.082
Yxy	37.8186, 0.2445, 0.2210
Android (android.graphics.Color)	4288257781 (0xFF999EF5)
YUV	166.4230, 38.7385, -11.7720
Hunter-Lab	61.4968, 13.8400, -45.1498

Details

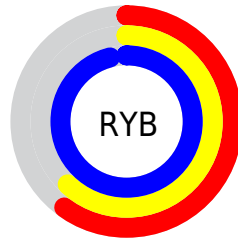
The XYZ color **41.8452, 37.8186, 91.4804** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **74.5674, 84.0343, 42.4290**, and the grayscale version is **36.2803, 38.1697, 41.5668**.

A 20% lighter version of the original color is **68.4226, 68.5101, 104.2253**, and **19.3718, 16.7429, 49.7877** is the 20% darker color. If you saturate the color by 10%, you get **34.1005, 28.5026, 90.0911**, and if you desaturate by 10%, it is **51.2870, 49.1167, 93.1642**.

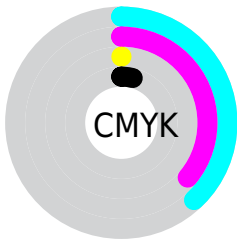
Distribution



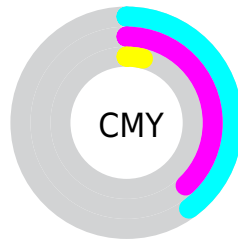
- Red (60%)
- Green (62%)
- Blue (96%)



- Red (60%)
- Yellow (62%)
- Blue (96%)



- Cyan (38%)
- Magenta (36%)
- Yellow (0%)
- Black (4%)



- Cyan (40%)
- Magenta (38%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8452, 37.8186, 91.4804 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 41.8452, 37.8186, 91.4804 by changing the saturation by 10% instead.

■ 41.8452, 37.8186,
91.4804

■ 41.8452, 37.8186,
91.4804

344.8434,
336.8412, 553.5287

■ 29.1707, 25.8419,
68.6285

■ 77.2319, 71.8300,
151.3465

■ 19.3549, 16.7054,
49.9394

■ 100.6748, 94.6335,
189.1977

■ 12.0325, 10.0247,
34.9944

128.4379,
121.8148, 232.8859

■ 6.8382, 5.4153,
23.3750

160.8865,
153.7582, 282.8295

■ 3.4065, 2.4930,
14.6628

198.3860,
190.8482, 339.4470

■ 1.3722, 0.8731,
8.4391

241.3018,

■ 0.2363, 0.0000,

233.4691, 403.1570

4.2854

289.9991,
282.0053, 474.3781

■ 0.0000, 0.0000,
1.7832

■ 0.0000, 0.0000,
0.4168

■ 41.8452, 37.8186,
91.4804

■ 41.8452, 37.8186,
91.4804

■ 34.1005, 28.5026,
90.0911

■ 51.2870, 49.1167,
93.1642

■ 27.9482, 21.0505,
88.9770

■ 62.5138, 62.4976,
95.1553

■ 23.2787, 15.3377,
88.1204

■ 75.6127, 78.0604,
97.4688

■ 19.9665, 11.2232,
87.5008

■ 90.6637, 95.8964,
100.1182

■ 17.8654, 8.5434,
87.0943

■ 93.4816, 99.3726,
100.6407

■ 16.7894, 7.0967,
86.8718

■ 16.6295, 6.8885,
86.8400

Harmonies

Analogous

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



34.2512, 37.8186, 96.6467



41.8452, 37.8186, 91.4804



48.6263, 37.8186, 70.9845

Triad

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



41.8452, 37.8186, 91.4804



45.2325, 37.8186, 16.3558



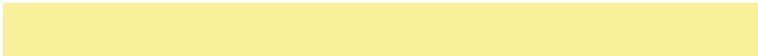
23.5416, 37.8186, 36.4418

Complementary

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



41.8452, 37.8186, 91.4804



74.5674, 84.0343, 42.4290

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.



25.6864, 37.8186, 21.1594



41.8452, 37.8186, 91.4804



37.6946, 37.8186, 12.4434

Square

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



41.8452, 37.8186, 91.4804



50.7626, 37.8186, 27.1244



30.6280, 37.8186, 13.8337



24.3348, 37.8186, 59.4012

Rectangle

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



41.8452, 37.8186, 91.4804



51.4271, 37.8186, 54.2754



30.6280, 37.8186, 13.8337



23.9318, 37.8186, 30.3778

Sweetspot

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



41.8466, 37.8200, 91.4813



77.5868, 79.2907, 105.8231



61.3508, 78.3022, 93.4393



16.1845, 16.4699, 22.5759



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.



41.8466, 37.8200, 91.4813



39.2611, 33.5247, 99.0094



49.8326, 40.6968, 91.6157



15.6534, 16.0711, 20.8196



8.9887, 3.7711, 46.7922



0.8150, 0.3813, 4.1209

Inverse Universe

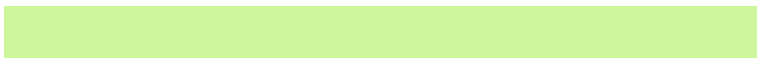
The Inverse Universe completely reimagines the original color for something new.



55.2202, 44.6652, 38.0598



55.8808, 42.1798, 32.5885



63.6171, 80.6038, 42.3440



16.5356, 16.4971, 17.3012



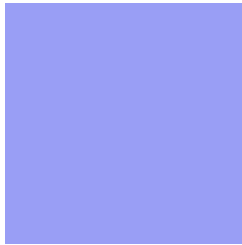
20.3416, 10.4801, 1.2412



1.8004, 0.9261, 0.1754

Previews

White Background



This preview shows how the XYZ color 41.8452, 37.8186, 91.4804 looks on a white background.

Color Contrast Check

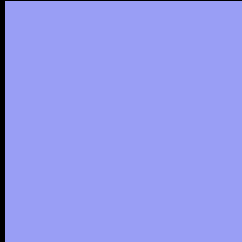
Large Text (above 18pt) WCAG AA × Fail

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 41.8452, 37.8186, 91.4804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

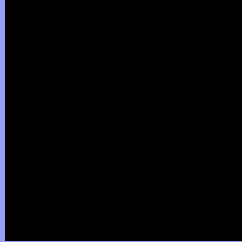
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.8452, 37.8186, 91.4804

Background



This preview shows how black text looks on a background with the XYZ color 41.8452, 37.8186, 91.4804.



This preview shows how white text looks on a background with the XYZ color 41.8452, 37.8186,

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

41.8452, 37.8186, 91.4804

Protanopia

40.0109, 37.8311, 94.8159

Deuteranopia

38.9647, 37.9079, 90.8512



Tritanopia

33.6739, 37.6991, 50.8493

Trichromacy



Original Color

41.8452, 37.8186, 91.4804

Protanomaly

40.8435, 38.0178, 93.9924

Deuteranomaly

39.8969, 37.8613, 90.7931

Tritanomaly

36.2784, 37.6580, 63.7492

Monochromacy



Original Color

41.8452, 37.8186, 91.4804

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.6455, 37.7116, 56.9247

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8452, 37.8186, 91.4804 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(153, 158, 245)` looks like.

```
.text, #text, p{  
    color:rgb(153, 158, 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(153, 158, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 158, 245) }
```

Border

The CSS property to change the border of an element to XYZ 41.8452, 37.8186, 91.4804 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(153, 158, 245) }
```


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

```
.border{ border-color:rgb(153, 158, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 158, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 158, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 158, 245);  
box-shadow:4px 4px 4px 4px rgb(153, 158,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8452, 37.8186, 91.4804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 158, 245) }
```

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

```
.background{ background-color: rgb(153,  
158, 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](#).

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