

Converting Colors

XYZ(37.4410, 35.3001, 99.4480)

Have a look what the booklet for
XYZ(37.4410, 35.3001, 99.4480)
contains.

XYZ(37.4793, 35.3867, 99.4627) 3

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Color

**XYZ(37.4793, 35.3867,
99.4627)**

Conversions

Conversions Part 1

Format	Color
Hex	749EFF
RGB	116, 158, 255
RGB Percent	45%, 62%, 100%
CMY	0.5451, 0.3804, 0.0000
CMYK	0.55, 0.38, 0.00, 0.00
HSL	222°, 100%, 73%
HSV	222°, 55%, 100%
XYZ	37.4793, 35.3867, 99.4627
YIQ	156.5000, -56.1690, 21.2630

Conversions

Conversions Part 2

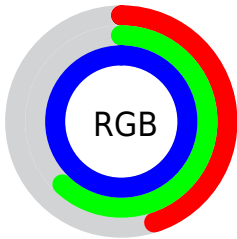
Format	Color
R _Y B	116, 148, 255
Decimal	7642879
CIE Lab	66.05, 12.99, -52.59
CIE LCh	66, 54.176, 283.878
Yxy	35.3867, 0.2175, 0.2053
Android (android.graphics.Color)	4285832959 (0xFF749EFF)
YUV	156.5000, 48.5605, -35.5185
Hunter-Lab	59.4867, 8.3612, -57.4931

Details

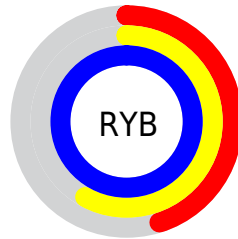
The XYZ color **37.4793, 35.3867, 99.4627** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **68.1882, 70.1120, 26.4641**, and the grayscale version is **31.6322, 33.2795, 36.2414**.

A 20% lighter version of the original color is **59.4980, 63.5371, 103.7357**, and **16.7661, 15.2707, 55.4900** is the 20% darker color. If you saturate the color by 10%, you get **31.7242, 28.2357, 98.3857**, and if you desaturate by 10%, it is **44.6065, 43.8985, 100.7300**.

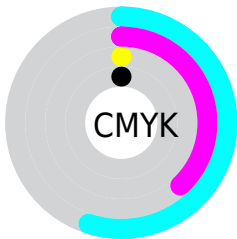
Distribution



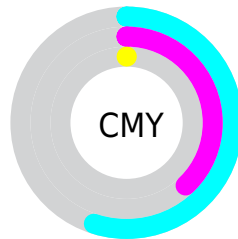
- Red (45%)
- Green (62%)
- Blue (100%)



- Red (45%)
- Yellow (58%)
- Blue (100%)



- Cyan (55%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (55%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4793, 35.3867, 99.4627 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 37.4793, 35.3867, 99.4627 by changing the saturation by 10% instead.

■ 37.4793, 35.3867,
99.4627

■ 37.4793, 35.3867,
99.4627

326.7006,
326.2719, 579.7006

■ 25.7542, 23.9609,
75.2375

■ 70.6184, 68.0844,
162.4640

■ 16.7715, 15.3046,
55.3046

■ 92.7631, 90.1251,
202.0773

■ 10.1660, 9.0335,
39.2454

■ 119.1117,
116.4729, 247.6569

■ 5.5723, 4.7630,
26.6414

150.0295,
147.5121, 299.6216

■ 2.6250, 2.1089,
17.0740

185.8820,
183.6273, 358.3897

■ 0.9587, 0.6696,
10.1248

227.0344,

■ 0.0000, 0.0000,

225.2027, 424.3799

5.3751

273.8522,
272.6228, 498.0107

■ 0.0000, 0.0000,
2.4064

■ 0.0000, 0.0000,
0.7899

■ 37.4793, 35.3867,
99.4627

■ 37.4793, 35.3867,
99.4627

■ 31.7242, 28.2357,
98.3857

■ 44.6065, 43.8985,
100.7300

■ 27.2405, 22.3643,
97.4887

■ 53.1890, 53.8388,
102.1963

■ 23.9185, 17.6863,
96.7609

■ 63.3076, 65.2744,
103.8703

■ 21.6249, 14.1007,
96.1897

■ 75.0356, 78.2668,
105.7600

■ 20.7071, 12.5341,
95.9357

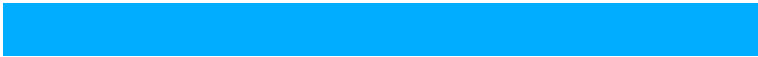
■ 88.4417, 92.8738,
107.8728

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.



29.5219, 35.3867, 98.6208



37.4793, 35.3867, 99.4627



45.5253, 35.3867, 80.0575

Triad

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



37.4793, 35.3867, 99.4627



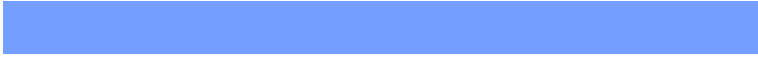
46.0511, 35.3867, 15.2713



20.8631, 35.3867, 27.4987

Complementary

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



37.4793, 35.3867, 99.4627



68.1882, 70.1120, 26.4641

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.



24.0177, 35.3867, 14.6194



37.4793, 35.3867, 99.4627



38.1113, 35.3867, 9.7307

Square

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



37.4793, 35.3867, 99.4627



50.9818, 35.3867, 28.8578



30.0611, 35.3867, 9.5526



20.7493, 35.3867, 50.1530

Rectangle

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



37.4793, 35.3867, 99.4627



49.5083, 35.3867, 61.4912



30.0611, 35.3867, 9.5526



21.5772, 35.3867, 22.1416

Sweetspot

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



37.4805, 35.3878, 99.4628



73.1799, 76.2262, 105.4639



54.7194, 79.9359, 74.1636



15.1288, 15.7258, 22.4880



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.



37.4805, 35.3878, 99.4628



31.4743, 27.9171, 98.3374



35.3640, 25.4180, 97.6500



17.4504, 18.2725, 22.8572



10.9337, 6.7770, 50.1664



1.1556, 0.8420, 4.9149

Inverse Universe

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



53.6579, 36.2210, 36.5119



49.5175, 30.3202, 27.7950



71.3914, 89.5244, 30.0422



18.2352, 18.0774, 19.8560



22.3070, 11.4121, 5.0013



2.2179, 1.1295, 0.7290

Previews

White Background



This preview shows how the XYZ color 37.4793, 35.3867, 99.4627 looks on a white background.

Color Contrast Check

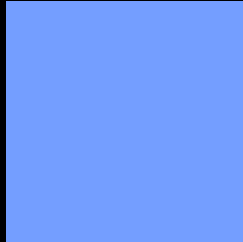
Large Text (above 18pt) WCAG AA × Fail

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 37.4793, 35.3867, 99.4627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

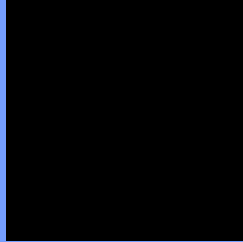
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.4793, 35.3867, 99.4627

Background



This preview shows how black text looks on a background with the XYZ color 37.4793, 35.3867, 99.4627.



This preview shows how white text looks on a background with the XYZ color 37.4793, 35.3867,

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

37.4793, 35.3867, 99.4627

Protanopia

38.1147, 35.4807, 98.6055

Deuteranopia

36.5647, 35.4258, 99.5184



Tritanopia

27.9298, 35.2744, 51.7909

Trichromacy



Original Color

37.4793, 35.3867, 99.4627

Protanomaly

37.6921, 35.2628, 98.5857

Deuteranomaly

36.8785, 35.3313, 99.4837

Tritanomaly

30.8321, 35.0499, 66.7683

Monochromacy



Original Color

37.4793, 35.3867, 99.4627

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.8379, 33.7150, 55.2290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4793, 35.3867, 99.4627 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(116, 158, 255)` looks like.

```
.text, #text, p{  
    color:rgb(116, 158, 255)  
}
```

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(116, 158, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 158, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.4793, 35.3867, 99.4627 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(116, 158, 255) }
```


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

```
.border{ border-color:rgb(116, 158, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 158, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 158, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 158, 255);  
box-shadow:4px 4px 4px 4px rgb(116, 158,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4793, 35.3867, 99.4627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 158, 255) }
```

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

```
.background{ background-color: rgb(116,  
158, 255) }
```

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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