

Converting Colors

XYZ(37.7804, 36.5714, 99.6755)

Have a look what the booklet for
XYZ(37.7804, 36.5714, 99.6755)
contains.

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Color

**XYZ(37.7804, 36.5714,
99.6755)**

Conversions

Conversions Part 1

Format	Color
Hex	71A2FF
RGB	113, 162, 255
RGB Percent	44%, 64%, 100%
CMY	0.5568, 0.3647, 0.0000
CMYK	0.56, 0.36, 0.00, 0.00
HSL	219°, 100%, 72%
HSV	219°, 56%, 100%
XYZ	37.7804, 36.5714, 99.6755
YIQ	157.9510, -59.0570, 18.5350

Conversions

Conversions Part 2

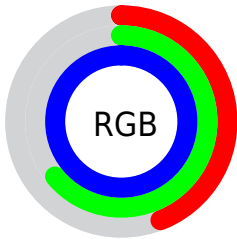
Format	Color
RYB	113, 149, 255
Decimal	7447295
CIELab	66.95, 10.07, -51.17
CIElCh	67, 52.153, 281.133
Yxy	36.5714, 0.2171, 0.2101
Android (android.graphics.Color)	4285637375 (0xFF71A2FF)
YUV	157.9510, 47.8452, -39.4220
Hunter-Lab	60.4743, 5.6852, -55.3915

Details

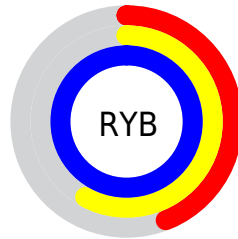
The XYZ color **37.7804, 36.5714, 99.6755** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **66.2935, 66.5974, 24.9854**, and the grayscale version is **32.2878, 33.9693, 36.9925**.

A 20% lighter version of the original color is **60.0964, 65.7299, 104.1275**, and **17.0042, 16.0269, 55.6234** is the 20% darker color. If you saturate the color by 10%, you get **32.1994, 29.6136, 98.6267**, and if you desaturate by 10%, it is **44.6760, 44.7880, 100.8980**.

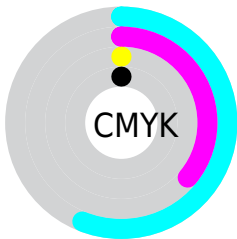
Distribution



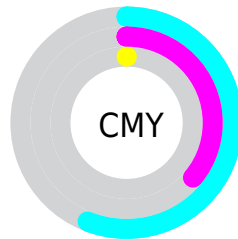
- Red (44%)
- Green (64%)
- Blue (100%)



- Red (44%)
- Yellow (58%)
- Blue (100%)



- Cyan (56%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7804, 36.5714, 99.6755 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 37.7804, 36.5714, 99.6755 by changing the saturation by 10% instead.

■ 37.7804, 36.5714,
99.6755

■ 37.7804, 36.5714,
99.6755

327.9742,
331.4512, 580.3896

■ 25.9887, 24.8758,
75.4142

■ 71.0775, 69.9131,
162.7592

■ 16.9478, 15.9846,
55.4485

■ 93.3136, 92.3280,
202.4186

■ 10.2924, 9.5132,
39.3599

■ 119.7620,
119.0848, 248.0478

■ 5.6570, 5.0774,
26.7298

150.7879,
150.5679, 300.0653

■ 2.6763, 2.2928,
17.1398

186.7567,
187.1617, 358.8898

■ 0.9850, 0.7699,
10.1712

228.0338,

■ 0.0000, 0.0000,

229.2506, 424.9396

5.4055

274.9845,
277.2190, 498.6333

■ 0.0000, 0.0000,
2.4242

■ 0.0000, 0.0000,
0.7996

■ 37.7804, 36.5714,
99.6755

■ 37.7804, 36.5714,
99.6755

■ 32.1994, 29.6136,
98.6267

■ 44.6760, 44.7880,
100.8980

■ 27.8347, 23.8397,
97.7422

■ 52.9671, 54.3250,
102.3018

■ 24.5784, 19.1703,
97.0126

■ 62.7321, 65.2435,
103.8947

■ 22.2981, 15.5113,
96.4265

■ 74.0422, 77.5998,
105.6836

■ 21.5388, 14.1976,
96.2129

■ 86.9638, 91.4467,
107.6752

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.



30.0699, 36.5714, 96.8984



37.7804, 36.5714, 99.6755



45.7559, 36.5714, 82.4641

Triad

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



37.7804, 36.5714, 99.6755



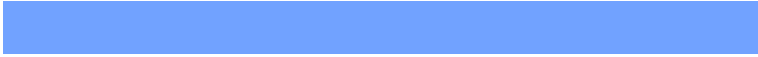
47.5204, 36.5714, 17.4894



22.2624, 36.5714, 27.3297

Complementary

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



37.7804, 36.5714, 99.6755



66.2935, 66.5974, 24.9854

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.



25.6840, 36.5714, 15.1971



37.7804, 36.5714, 99.6755



39.9141, 36.5714, 11.1873

Square

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



37.7804, 36.5714, 99.6755



51.9213, 36.5714, 31.9873



31.9051, 36.5714, 10.5477



21.8702, 36.5714, 48.8372

Rectangle

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



37.7804, 36.5714, 99.6755



49.8538, 36.5714, 64.7690



31.9051, 36.5714, 10.5477



23.0690, 36.5714, 22.2752

Sweetspot

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



37.7817, 36.5726, 99.6757



72.4626, 75.8891, 105.4366



53.6270, 79.4536, 70.4588



15.0054, 15.6952, 22.4886



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.



37.7817, 36.5726, 99.6757



31.5574, 28.7874, 98.5010



33.8363, 24.1253, 97.4810



17.5155, 18.4025, 22.8788



11.3792, 7.6680, 50.3149



1.2052, 0.9410, 4.9314

Inverse Universe

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



53.6677, 35.6805, 38.2419



49.3877, 29.6102, 29.1396



72.5746, 90.1543, 29.2013



18.2681, 18.0905, 20.0288



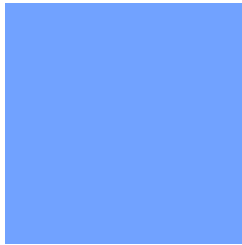
22.5319, 11.5021, 6.1855



2.2429, 1.1395, 0.8607

Previews

White Background



This preview shows how the XYZ color 37.7804, 36.5714, 99.6755 looks on a white background.

Color Contrast Check

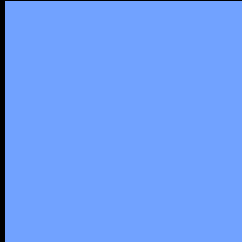
Large Text (above 18pt) WCAG AA × Fail

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 37.7804, 36.5714, 99.6755 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

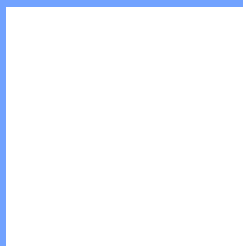
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.7804, 36.5714, 99.6755

Background



This preview shows how black text looks on a background with the XYZ color 37.7804, 36.5714, 99.6755.



This preview shows how white text looks on a background with the XYZ color 37.7804, 36.5714,

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

37.7804, 36.5714, 99.6755

Protanopia

38.8709, 36.4137, 97.0753

Deuteranopia

37.6524, 36.5054, 99.6695



Tritanopia

28.6487, 36.4524, 54.2413

Trichromacy



Original Color

37.7804, 36.5714, 99.6755

Protanomaly

38.4688, 36.4444, 97.9355

Deuteranomaly

37.6524, 36.5054, 99.6695

Tritanomaly

31.4421, 36.1459, 68.9380

Monochromacy



Original Color

37.7804, 36.5714, 99.6755

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

33.1791, 34.3973, 55.3427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7804, 36.5714, 99.6755 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(113, 162, 255)` looks like.

```
.text, #text, p{  
    color:rgb(113, 162, 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(113, 162, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 162, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.7804, 36.5714, 99.6755 is called "border". The border property can be set on classes, ids or directly on the HTML element.

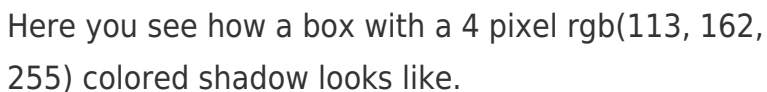
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(113, 162, 255) }
```


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

```
.border{ border-color:rgb(113, 162, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(113, 162, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 162, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 162, 255); box-shadow:4px 4px 4px 4px rgb(113, 162, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7804, 36.5714, 99.6755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 162, 255) }
```

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

```
.background{ background-color: rgb(113,  
162, 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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