

Converting Colors

XYZ(38.1433, 36.1680, 96.5997)

Have a look what the booklet for
XYZ(38.1433, 36.1680, 96.5997)
contains.

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Color

**XYZ(37.9791, 35.9723,
96.2084)**

Conversions

Conversions Part 1

Format	Color
Hex	7B9FFB
RGB	123, 159, 251
RGB Percent	48%, 62%, 98%
CMY	0.5176, 0.3765, 0.0157
CMYK	0.51, 0.37, 0.00, 0.02
HSL	223°, 94%, 73%
HSV	223°, 51%, 98%
XYZ	37.9791, 35.9723, 96.2084
YIQ	158.7240, -50.9880, 20.9800

Conversions

Conversions Part 2

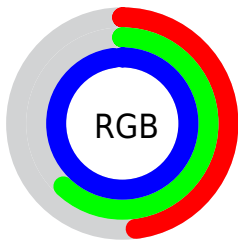
Format	Color
RYB	123, 151, 251
Decimal	8101883
CIELab	66.50, 12.68, -49.68
CIElCh	66, 51.270, 284.315
Yxy	35.9723, 0.2232, 0.2114
Android (android.graphics.Color)	4286291963 (0xFF7B9FFB)
YUV	158.7240, 45.4921, -31.3299
Hunter-Lab	59.9769, 8.0717, -53.1227

Details

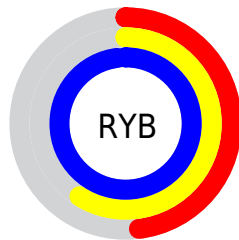
The XYZ color **37.9791, 35.9723, 96.2084** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **67.6610, 70.5427, 28.7908**, and the grayscale version is **32.6457, 34.3458, 37.4026**.

A 20% lighter version of the original color is **61.1357, 64.7536, 103.8842**, and **17.0868, 15.6443, 53.1580** is the 20% darker color. If you saturate the color by 10%, you get **31.9587, 28.5948, 95.1024**, and if you desaturate by 10%, it is **45.3753, 44.7323, 97.5102**.

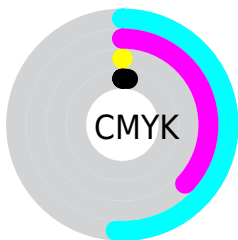
Distribution



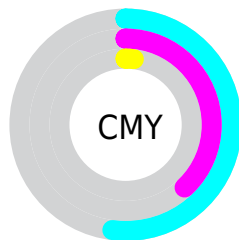
- Red (48%)
- Green (62%)
- Blue (98%)



- Red (48%)
- Yellow (59%)
- Blue (98%)



- Cyan (51%)
- Magenta (37%)
- Yellow (0%)
- Black (2%)



- Cyan (52%)
- Magenta (38%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9791, 35.9723, 96.2084 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 37.9791, 35.9723, 96.2084 by changing the saturation by 10% instead.

■ 37.9791, 35.9723,
96.2084

■ 37.9791, 35.9723,
96.2084

328.8127,
328.8395, 569.1092

■ 26.1436, 24.4128,
72.5387

■ 71.3802, 68.9893,
157.9429

■ 17.0644, 15.6401,
53.1093

■ 93.6765, 91.2156,
196.8448

■ 10.3760, 9.2699,
37.5017

■ 120.1905,
117.7663, 241.6612

■ 5.7131, 4.9176,
25.2974

151.2875,
149.0258, 292.8106

■ 2.7104, 2.1990,
16.0777

187.3329,
185.3784, 350.7115

■ 1.0025, 0.7195,
9.4242

228.6920,

■ 0.0000, 0.0000,

227.2087, 415.7826

4.9183

275.7301,
274.9009, 488.4423

■ 0.0000, 0.0000,
2.1415

■ 0.0000, 0.0000,
0.6403

■ 37.9791, 35.9723,
96.2084

■ 37.9791, 35.9723,
96.2084

■ 31.9587, 28.5948,
95.1024

■ 45.3753, 44.7323,
97.5102

■ 27.2187, 22.5201,
94.1797

■ 54.2259, 54.9409,
99.0141

■ 23.6571, 17.6649,
93.4303

■ 64.6080, 66.6642,
100.7298

■ 21.1522, 13.9328,
92.8419

■ 76.5920, 79.9629,
102.6650

■ 19.6400, 11.4196,
92.4365

■ 90.2438, 94.8941,
104.8275

■ 94.4127, 99.7451,
105.5441

Harmonies

Analogous

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



30.3463, 35.9723, 95.7321



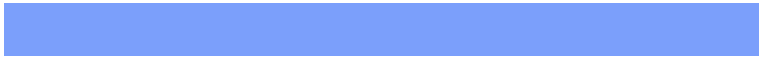
37.9791, 35.9723, 96.2084



45.5977, 35.9723, 77.9599

Triad

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



37.9791, 35.9723, 96.2084



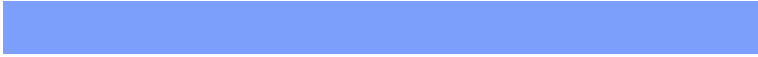
45.9012, 35.9723, 16.4044



21.8375, 35.9723, 28.7970

Complementary

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



37.9791, 35.9723, 96.2084



67.6610, 70.5427, 28.7908

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.



24.8648, 35.9723, 16.0069



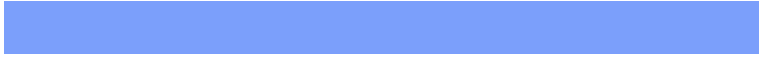
37.9791, 35.9723, 96.2084



38.3465, 35.9723, 10.9047

Square

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



37.9791, 35.9723, 96.2084



50.6153, 35.9723, 29.6011



30.6628, 35.9723, 10.7933



21.7697, 35.9723, 50.6010

Rectangle

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



37.9791, 35.9723, 96.2084



49.3248, 35.9723, 60.5420



30.6628, 35.9723, 10.7933



22.5198, 35.9723, 23.5292

Sweetspot

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



37.9805, 35.9736, 96.2093



74.1990, 77.1495, 105.5884



54.8984, 78.0990, 76.2931



15.3213, 15.8913, 22.5098



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.



37.9805, 35.9736, 96.2093



33.0968, 29.6019, 98.5771



37.2103, 27.6867, 94.6504



16.6804, 17.4377, 21.8720



10.4290, 6.2136, 48.6232



1.0514, 0.7466, 4.5319

Inverse Universe

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



53.1259, 37.1800, 37.1784



50.7174, 32.2583, 29.6179



68.5872, 86.1558, 31.7556



17.4452, 17.3055, 18.9344



21.5561, 11.0382, 4.3709



2.0396, 1.0396, 0.6322

Previews

White Background



This preview shows how the XYZ color 37.9791, 35.9723, 96.2084 looks on a white background.

Color Contrast Check

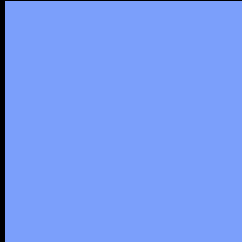
Large Text (above 18pt) WCAG AA × Fail

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 37.9791, 35.9723, 96.2084 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 37.9791, 35.9723, 96.2084

Background



This preview shows how black text looks on a background with the XYZ color 37.9791, 35.9723, 96.2084.



This preview shows how white text looks on a background with the XYZ color 37.9791, 35.9723,

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

37.9791, 35.9723, 96.2084

Protanopia

38.2346, 35.8679, 95.3505

Deuteranopia

37.0969, 36.0322, 96.2665



Tritanopia

29.0949, 35.8750, 51.8455

Trichromacy



Original Color

37.9791, 35.9723, 96.2084

Protanomaly

38.0864, 35.7915, 95.3436

Deuteranomaly

37.3195, 35.8886, 96.2270

Tritanomaly

31.8820, 35.6056, 66.1650

Monochromacy



Original Color

37.9791, 35.9723, 96.2084

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.7666, 34.7130, 54.7898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9791, 35.9723, 96.2084 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(123, 159, 251)` looks like.

```
.text, #text, p{  
    color:rgb(123, 159, 251)  
}
```

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(123, 159, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 159, 251) }
```

Border

The CSS property to change the border of an element to XYZ 37.9791, 35.9723, 96.2084 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(123, 159, 251) }
```


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

```
.border{ border-color:rgb(123, 159, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 159, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 159, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 159, 251);  
box-shadow:4px 4px 4px 4px rgb(123, 159,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9791, 35.9723, 96.2084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 159, 251) }
```

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

```
.background{ background-color: rgb(123,  
159, 251) }
```

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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