

Converting Colors

XYZ(37.6995, 33.3041, 99.0491)

Have a look what the booklet for
XYZ(37.6995, 33.3041, 99.0491)
contains.

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Color

**XYZ(37.6995, 33.3041,
99.0491)**

Conversions

Conversions Part 1

Format	Color
Hex	8095FF
RGB	128, 149, 255
RGB Percent	50%, 58%, 100%
CMY	0.4980, 0.4157, 0.0000
CMYK	0.50, 0.42, 0.00, 0.00
HSL	230°, 100%, 75%
HSV	230°, 50%, 100%
XYZ	37.6995, 33.3041, 99.0491
YIQ	154.8050, -46.5420, 28.5140

Conversions

Conversions Part 2

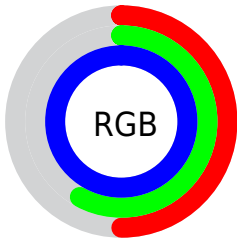
Format	Color
RYB	128, 146, 255
Decimal	8427007
CIELab	64.41, 20.79, -55.16
CIELCh	64, 58.944, 290.653
Yxy	33.3041, 0.2217, 0.1958
Android (android.graphics.Color)	4286617087 (0xFF8095FF)
YUV	154.8050, 49.3961, -23.5080
Hunter-Lab	57.7097, 15.6151, -61.3646

Details

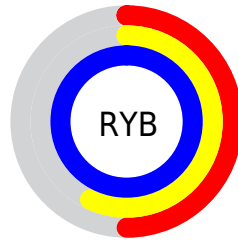
The XYZ color **37.6995, 33.3041, 99.0491** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **74.5604, 81.6662, 32.2574**, and the grayscale version is **30.8742, 32.4821, 35.3730**.

A 20% lighter version of the original color is **59.8995, 60.4967, 103.1277**, and **16.9696, 14.1942, 55.2714** is the 20% darker color. If you saturate the color by 10%, you get **31.2694, 25.4393, 97.8699**, and if you desaturate by 10%, it is **45.7109, 42.8984, 100.4787**.

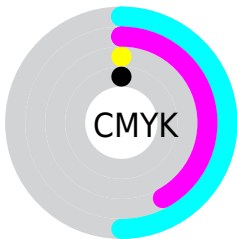
Distribution



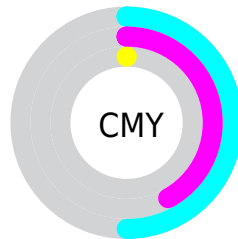
- Red (50%)
- Green (58%)
- Blue (100%)



- Red (50%)
- Yellow (57%)
- Blue (100%)



- Cyan (50%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6995, 33.3041, 99.0491 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 37.6995, 33.3041, 99.0491 by changing the saturation by 10% instead.

■ 37.6995, 33.3041,
99.0491

■ 37.6995, 33.3041,
99.0491

327.6323,
317.0178, 578.3603

■ 25.9257, 22.3595,
74.8942

■ 70.9542, 64.8500,
161.8903

■ 16.9005, 14.1213,
55.0250

■ 93.1658, 86.2201,
201.4136

■ 10.2584, 8.2051,
39.0230

■ 119.5874,
111.8342, 246.8969

■ 5.6342, 4.2265,
26.4697

150.5843,
142.0766, 298.7585

■ 2.6625, 1.8010,
16.9464

186.5219,
177.3318, 357.4172

■ 0.9779, 0.4878,
10.0347

227.7655,

■ 0.0000, 0.0000,

217.9841, 423.2913

5.3161

274.6805,
264.4180, 496.7995

■ 0.0000, 0.0000,
2.3719

■ 0.0000, 0.0000,
0.7711

■ 37.6995, 33.3041,
99.0491

■ 37.6995, 33.3041,
99.0491

■ 31.2694, 25.4393,
97.8699

■ 45.7109, 42.8984,
100.4787

■ 26.3099, 19.1958,
96.9262

■ 55.3970, 54.3151,
102.1719

■ 22.7012, 14.4577,
96.2019

■ 66.8482, 67.6440,
104.1411

■ 20.3020, 11.0914,
95.6786

■ 80.1470, 82.9681,
106.3980

■ 18.9051, 8.9208,
95.3332

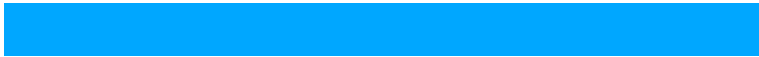
95.0500, 100.0000,
108.9000

■ 18.8837, 8.8873,
95.3279

Harmonies

Analogous

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



29.1031, 33.3041, 103.7291



37.6995, 33.3041, 99.0491



45.8590, 33.3041, 74.2053

Triad

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



37.6995, 33.3041, 99.0491



43.0384, 33.3041, 10.9650



18.2429, 33.3041, 29.2566

Complementary

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



37.6995, 33.3041, 99.0491



74.5604, 81.6662, 32.2574

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.



20.7355, 33.3041, 14.1313



37.6995, 33.3041, 99.0491



34.3509, 33.3041, 7.0921

Square

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



37.6995, 33.3041, 99.0491



49.3002, 33.3041, 22.2726



26.2930, 33.3041, 7.9167



18.8191, 33.3041, 55.1454

Rectangle

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



37.6995, 33.3041, 99.0491



49.4695, 33.3041, 53.8465



26.2930, 33.3041, 7.9167



18.7303, 33.3041, 22.9957

Sweetspot

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



37.7007, 33.3052, 99.0492



72.9985, 74.7484, 105.1882



59.4904, 82.0406, 90.4171



15.0354, 15.3194, 22.4144



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.



37.7007, 33.3052, 99.0492



31.1572, 25.3002, 97.8490



42.4204, 31.2434, 98.4025



17.2456, 17.8628, 22.7889



9.9379, 4.7853, 49.8345



1.0328, 0.5962, 4.8739

Inverse Universe

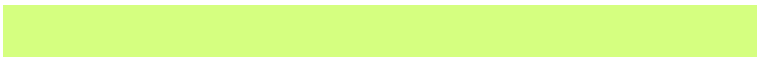
The Inverse Universe completely reimagines the original color for something new.



54.3849, 38.8698, 33.0709



49.8415, 32.3028, 23.7882



67.0012, 87.1753, 33.7191



18.1319, 18.0361, 19.3115



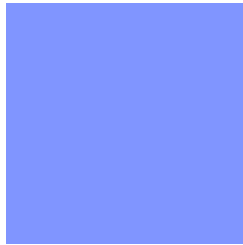
21.8044, 11.2110, 2.3543



2.1559, 1.1047, 0.4024

Previews

White Background



This preview shows how the XYZ color 37.6995, 33.3041, 99.0491 looks on a white background.

Color Contrast Check

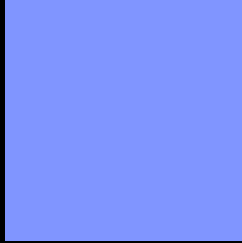
Large Text (above 18pt) WCAG AA × Fail

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 37.6995, 33.3041, 99.0491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

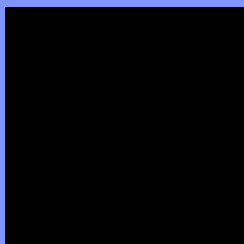
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.6995, 33.3041, 99.0491

Background



This preview shows how black text looks on a background with the XYZ color 37.6995, 33.3041, 99.0491.



This preview shows how white text looks on a background with the XYZ color 37.6995, 33.3041,

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

37.6995, 33.3041, 99.0491

Protanopia

36.2177, 33.2539, 99.1175

Deuteranopia

34.4420, 33.3556, 97.5515



Tritanopia

27.4818, 33.4702, 47.6598

Trichromacy



Original Color

37.6995, 33.3041, 99.0491

Protanomaly

36.7244, 33.2752, 99.0949

Deuteranomaly

35.4650, 33.1264, 98.2908

Tritanomaly

30.6433, 33.1573, 63.8164

Monochromacy



Original Color

37.6995, 33.3041, 99.0491

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

32.4723, 32.5638, 53.8642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6995, 33.3041, 99.0491 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(128, 149, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 149, 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(128, 149, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 149, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.6995, 33.3041, 99.0491 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(128, 149, 255) }
```


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

```
.border{ border-color:rgb(128, 149, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 149, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 149, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 149, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 149,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6995, 33.3041, 99.0491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 149, 255) }
```

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

```
.background{ background-color: rgb(128,  
149, 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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