

Converting Colors

XYZ(34.4914, 23.5869,
119.7410)

Have a look what the booklet for
XYZ(34.4914, 23.5869, 119.7410)
contains.

XYZ(30.2900, 21.9684, 97.2516)	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(30.2900, 21.9684,
97.2516)**

Conversions

Conversions Part 1

Format	Color
Hex	6F6FFF
RGB	111, 111, 255
RGB Percent	44%, 44%, 100%
CMY	0.5647, 0.5647, 0.0000
CMYK	0.56, 0.56, 0.00, 0.00
HSL	240°, 100%, 72%
HSV	240°, 56%, 100%
XYZ	30.2900, 21.9684, 97.2516
YIQ	127.4160, -46.2240, 44.7840

Conversions

Conversions Part 2

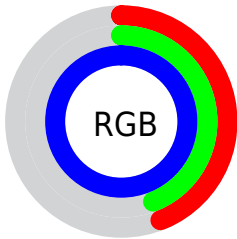
Format	Color
R _Y B	111, 111, 255
Decimal	7303167
CIE Lab	53.99, 39.83, -71.93
CIE LCh	54, 82.221, 298.975
Yxy	21.9684, 0.2026, 0.1469
Android (android.graphics.Color)	4285493247 (0xFF6F6FFF)
YUV	127.4160, 62.8989, -14.3968
Hunter-Lab	46.8705, 33.3322, -90.2116

Details

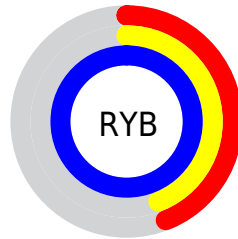
The XYZ color **30.2900, 21.9684, 97.2516** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **79.8668, 93.9265, 28.9593**, and the grayscale version is **20.1185, 21.1663, 23.0501**.

A 20% lighter version of the original color is **48.3808, 42.2986, 100.2222**, and **12.6185, 7.9795, 53.6985** is the 20% darker color. If you saturate the color by 10%, you get **25.1307, 15.7513, 96.3235**, and if you desaturate by 10%, it is **37.1606, 30.2464, 98.4873**.

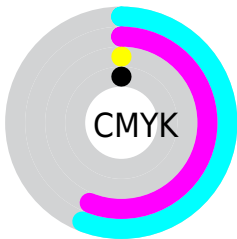
Distribution



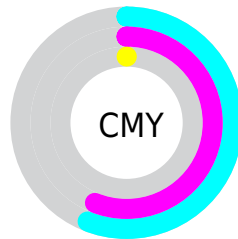
- Red (44%)
- Green (44%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2900, 21.9684, 97.2516 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 30.2900, 21.9684, 97.2516 by changing the saturation by 10% instead.


 30.2900, 21.9684,
97.2516

 30.2900, 21.9684,
97.2516


295.1395,
262.3812, 572.5158


 20.2080, 13.8337,
73.4032


 59.5040, 46.6938,
159.3939


 12.6555, 8.0051,
53.8119


 79.3666, 64.0532,
198.5248

 7.2671, 4.0982,
38.0591


 103.2202, 85.2563,
243.5870

 3.6775, 1.7286,
25.7264

 131.4301,
110.6875, 294.9990

 1.5214, 0.4421,
16.3951

164.3616,
140.7313, 353.1794

 0.3403, 0.0000,
9.6468

202.3801,

 0.0000, 0.0000,

175.7718, 418.5466

5.0629

245.8510,
216.1937, 491.5192

■ 0.0000, 0.0000,
2.2248

■ 0.0000, 0.0000,
0.6886

■ 30.2900, 21.9684,
97.2516

■ 30.2900, 21.9684,
97.2516

■ 25.1307, 15.7513,
96.3235

■ 37.1606, 30.2464,
98.4873

■ 21.5300, 11.4127,
95.6759

■ 45.8717, 40.7428,
100.0542

■ 19.3131, 8.7417,
95.2771

■ 56.5437, 53.6019,
101.9738

■ 18.2605, 7.4735,
95.0878

■ 69.2857, 68.9554,
104.2657

■ 18.0501, 7.2201,
95.0500

■ 84.1990, 86.9251,
106.9482

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.



20.5763, 21.9684, 113.6661



30.2900, 21.9684, 97.2516



39.1922, 21.9684, 59.0047

Triad

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



30.2900, 21.9684, 97.2516



30.9731, 21.9684, 1.7238



8.0400, 21.9684, 23.0556

Complementary

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



30.2900, 21.9684, 97.2516



79.8668, 93.9265, 28.9593

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.



9.4016, 21.9684, 6.5336



30.2900, 21.9684, 97.2516



21.1873, 21.9684, 0.7609

Square

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



30.2900, 21.9684, 97.2516



39.6588, 21.9684, 7.1926



13.6542, 21.9684, 1.5767



9.2233, 21.9684, 56.2811

Rectangle

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



30.2900, 21.9684, 97.2516



42.5189, 21.9684, 34.5413



13.6542, 21.9684, 1.5767



8.2065, 21.9684, 15.7350

Sweetspot

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



30.2910, 21.9690, 97.2517



68.5572, 68.0775, 104.1347



60.3656, 82.1196, 107.2768



14.0944, 13.8730, 22.1848



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.



30.2910, 21.9690, 97.2517



24.4829, 14.9707, 96.2070



43.2630, 28.6563, 97.8588



17.0032, 17.3779, 22.7080



9.4316, 3.7727, 49.6657



0.9184, 0.3673, 4.8358

Inverse Universe

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



64.9734, 39.8486, 98.8692



62.2759, 34.4539, 97.9690



58.1578, 82.7350, 27.9433



18.7927, 18.3004, 22.7916



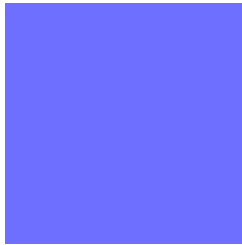
30.9793, 14.8810, 50.6690



3.0164, 1.4489, 4.9335

Previews

White Background



This preview shows how the XYZ color 30.2900, 21.9684, 97.2516 looks on a white background.

Color Contrast Check

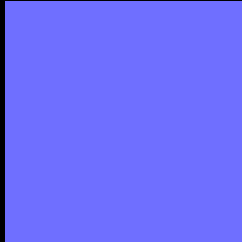
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.2900, 21.9684, 97.2516 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 × Fail

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

XYZ 30.2900, 21.9684, 97.2516

Background



This preview shows how black text looks on a background with the XYZ color 30.2900, 21.9684, 97.2516.



This preview shows how white text looks on a background with the XYZ color 30.2900, 21.9684,

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

30.2900, 21.9684, 97.2516

Protanopia

26.2125, 22.1275, 97.4972

Deuteranopia

22.2592, 21.8897, 77.1807



Tritanopia

17.3362, 22.0068, 32.1882

Trichromacy



Original Color

30.2900, 21.9684, 97.2516

Protanomaly

26.9616, 21.6069, 97.3573

Deuteranomaly

23.5153, 21.0395, 83.7106

Tritanomaly

20.7651, 21.3098, 50.5957

Monochromacy



Original Color

30.2900, 21.9684, 97.2516

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

22.3625, 20.7957, 42.8797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2900, 21.9684, 97.2516 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(111, 111, 255)` looks like.

```
.text, #text, p{  
    color:rgb(111, 111, 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(111, 111, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 111, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.2900, 21.9684, 97.2516 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(111, 111, 255) }
```


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

```
.border{ border-color:rgb(111, 111, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 111, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 111, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 111, 255);  
box-shadow:4px 4px 4px 4px rgb(111, 111,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2900, 21.9684, 97.2516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 111, 255) }
```

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

```
.background{ background-color: rgb(111,  
111, 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](#).

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