

Converting Colors

XYZ(29.5308, 21.9053, 97.2794)

Have a look what the booklet for
XYZ(29.5308, 21.9053, 97.2794)
contains.

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Color

**XYZ(29.5486, 21.9138,
97.2801)**

Conversions

Conversions Part 1

Format	Color
Hex	6771FF
RGB	103, 113, 255
RGB Percent	40%, 44%, 100%
CMY	0.5960, 0.5569, 0.0000
CMYK	0.60, 0.56, 0.00, 0.00
HSL	236°, 100%, 70%
HSV	236°, 60%, 100%
XYZ	29.5486, 21.9138, 97.2801
YIQ	126.1980, -51.5420, 42.0420

Conversions

Conversions Part 2

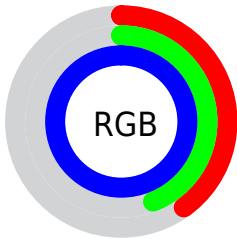
Format	Color
RYB	103, 112, 255
Decimal	6779391
CIELab	53.94, 37.27, -72.05
CIElCh	54, 81.118, 297.352
Yxy	21.9138, 0.1987, 0.1473
Android (android.graphics.Color)	4284969471 (0xFF6771FF)
YUV	126.1980, 63.4994, -20.3446
Hunter-Lab	46.8122, 30.7508, -90.4417

Details

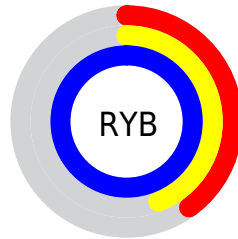
The XYZ color **29.5486, 21.9138, 97.2801** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **76.3431, 87.5485, 25.7088**, and the grayscale version is **19.7029, 20.7290, 22.5739**.

A 20% lighter version of the original color is **47.2310, 42.2373, 100.2710**, and **12.1995, 7.9310, 53.7112** is the 20% darker color. If you saturate the color by 10%, you get **24.7388, 15.9932, 96.3909**, and if you desaturate by 10%, it is **35.9493, 29.6900, 98.4437**.

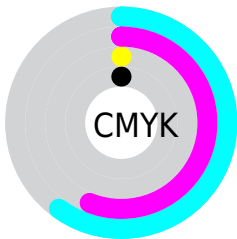
Distribution



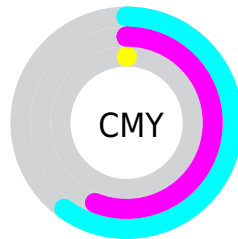
- Red (40%)
- Green (44%)
- Blue (100%)



- Red (40%)
- Yellow (44%)
- Blue (100%)



- Cyan (60%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.5486, 21.9138, 97.2801 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 29.5486, 21.9138, 97.2801 by changing the saturation by 10% instead.


 29.5486, 21.9138,
97.2801


 29.5486, 21.9138,
97.2801


291.7424,
262.0958, 572.6087

 19.6426, 13.7936,
73.4268


 58.3391, 46.6035,
159.4335


 12.2423, 7.9772,
53.8311


 77.9543, 63.9417,
198.5707

 6.9823, 4.0804,
38.0744


 101.5367, 85.1215,
243.6396

 3.4972, 1.7186,
25.7381

 129.4515,
110.5270, 295.0587

 1.4218, 0.4357,
16.4038

162.0641,
140.5428, 353.2467

 0.2717, 0.0000,
9.6529

199.7399,

 0.0000, 0.0000,

175.5533, 418.6220

5.0669

242.8442,
215.9428, 491.6032

■ 0.0000, 0.0000,
2.2271

■ 0.0000, 0.0000,
0.6900

■ 29.5486, 21.9138,
97.2801

■ 29.5486, 21.9138,
97.2801

■ 24.7388, 15.9932,
96.3909

■ 35.9493, 29.6900,
98.4437

■ 21.3772, 11.7716,
95.7532

■ 44.0612, 39.4575,
99.9015

■ 19.3005, 9.0692,
95.3410

■ 53.9964, 51.3413,
101.6717

■ 18.2742, 7.6497,
95.1211

■ 65.8567, 65.4557,
103.7709

■ 18.2468, 7.6137,
95.1156

■ 79.7361, 81.9067,
106.2148

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.



20.0613, 21.9138, 111.5336



29.5486, 21.9138, 97.2801



38.4365, 21.9138, 60.4080

Triad

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



29.5486, 21.9138, 97.2801



31.2800, 21.9138, 1.9444



8.1423, 21.9138, 21.7043

Complementary

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



29.5486, 21.9138, 97.2801



76.3431, 87.5485, 25.7088

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.



9.6361, 21.9138, 6.1695



29.5486, 21.9138, 97.2801



21.6149, 21.9138, 0.8362

Square

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



29.5486, 21.9138, 97.2801



39.6171, 21.9138, 7.8691



14.0186, 21.9138, 1.5555



9.1789, 21.9138, 53.5297

Rectangle

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



29.5486, 21.9138, 97.2801



41.9199, 21.9138, 36.0338



14.0186, 21.9138, 1.5555



8.3526, 21.9138, 14.7933

Sweetspot

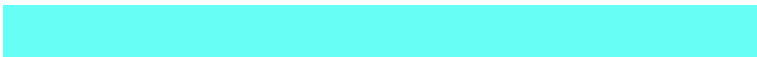
The Sweet Spot groups the original color and five complimentary colors.



29.5496, 21.9144, 97.2802



67.9457, 67.9358, 104.1395



57.8155, 80.9885, 98.8651



13.7406, 13.5880, 22.1485



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.



29.5496, 21.9144, 97.2802



23.8074, 14.8336, 96.2161



39.2355, 25.3428, 97.4314



17.0989, 17.5694, 22.7400



9.5701, 4.0497, 49.7119



0.9638, 0.4583, 4.8509

Inverse Universe

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



49.0717, 32.1543, 19.2430



45.0984, 26.4494, 11.0076



59.2287, 83.3357, 25.7977



18.0578, 18.0064, 18.9215



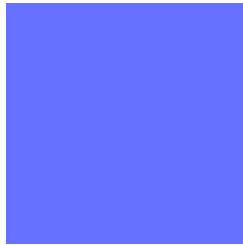
21.6187, 11.1368, 1.3767



2.1211, 1.0908, 0.2191

Previews

White Background



This preview shows how the XYZ color 29.5486, 21.9138, 97.2801 looks on a white background.

Color Contrast Check

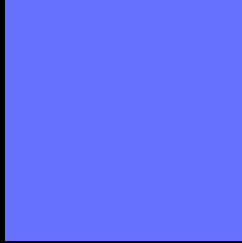
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5486, 21.9138, 97.2801 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 29.5486, 21.9138, 97.2801

Background



This preview shows how black text looks on a background with the XYZ color 29.5486, 21.9138, 97.2801.



This preview shows how white text looks on a background with the XYZ color 29.5486, 21.9138,

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

29.5486, 21.9138, 97.2801

Protanopia

26.1721, 22.1067, 97.4953

Deuteranopia

22.1199, 21.8340, 76.4473



Tritanopia

16.5949, 21.8313, 32.6174

Trichromacy



Original Color

29.5486, 21.9138, 97.2801

Protanomaly

26.8808, 21.7429, 97.3878

Deuteranomaly

23.4032, 20.9817, 83.7053

Tritanomaly

19.9156, 21.0559, 51.1586

Monochromacy



Original Color

29.5486, 21.9138, 97.2801

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

21.8514, 20.5434, 42.3487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5486, 21.9138, 97.2801 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(103, 113, 255)` looks like.

```
.text, #text, p{  
    color:rgb(103, 113, 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(103, 113, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 113, 255) }
```

Border

The CSS property to change the border of an element to XYZ 29.5486, 21.9138, 97.2801 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(103, 113, 255) }
```


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

```
.border{ border-color:rgb(103, 113, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 113, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 113, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 113, 255);  
box-shadow:4px 4px 4px 4px rgb(103, 113,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5486, 21.9138, 97.2801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 113, 255) }
```

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

```
.background{ background-color: rgb(103,  
113, 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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