

Converting Colors

XYZ(35.5327, 30.5618, 97.1695)

Have a look what the booklet for
XYZ(35.5327, 30.5618, 97.1695)
contains.

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Color

**XYZ(35.5710, 30.6488,
96.9695)**

Conversions

Conversions Part 1

Format	Color
Hex	7B8EFD
RGB	123, 142, 253
RGB Percent	48%, 56%, 99%
CMY	0.5176, 0.4431, 0.0078
CMYK	0.51, 0.44, 0.00, 0.01
HSL	231°, 97%, 74%
HSV	231°, 51%, 99%
XYZ	35.5710, 30.6488, 96.9695
YIQ	148.9730, -46.9550, 30.4930

Conversions

Conversions Part 2

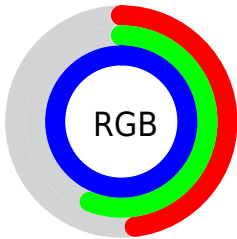
Format	Color
RYB	123, 140, 253
Decimal	8097533
CIELab	62.21, 23.21, -57.58
CIELCh	62, 62.079, 291.954
Yxy	30.6488, 0.2180, 0.1878
Android (android.graphics.Color)	4286287613 (0xFF7B8EFD)
YUV	148.9730, 51.2853, -22.7783
Hunter-Lab	55.3614, 17.8082, -65.0979

Details

The XYZ color **35.5710, 30.6488, 96.9695** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **73.5081, 81.1615, 30.5324**, and the grayscale version is **28.3623, 29.8393, 32.4950**.

A 20% lighter version of the original color is **56.8565, 56.1953, 102.4579**, and **15.6544, 12.6005, 53.8316** is the 20% darker color. If you saturate the color by 10%, you get **29.4996, 23.2013, 95.8526**, and if you desaturate by 10%, it is **43.2028, 39.8261, 98.3393**.

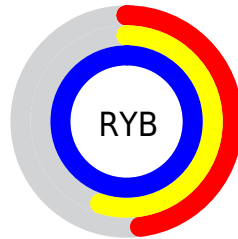
Distribution



Red (48%)

Green (56%)

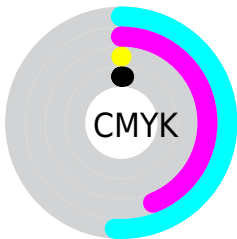
Blue (99%)



Red (48%)

Yellow (55%)

Blue (99%)

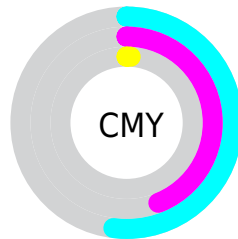


Cyan (51%)

Magenta (44%)

Yellow (0%)

Black (1%)



Cyan (52%)

Magenta (44%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.5710, 30.6488, 96.9695 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 35.5710, 30.6488, 96.9695 by changing the saturation by 10% instead.

■ 35.5710, 30.6488,
96.9695

■ 35.5710, 30.6488,
96.9695

318.5456,
304.9171, 571.5957

■ 24.2716, 20.3316,
73.1694

■ 67.6976, 60.6867,
159.0017

■ 15.6611, 12.6363,
53.6218

■ 89.2556, 81.1762,
198.0708

■ 9.3740, 7.1786,
37.9083

■ 114.9637,
105.8252, 243.0666

■ 5.0449, 3.5740,
25.6102

145.1875,
135.0181, 294.4077

■ 2.3087, 1.4383,
16.3091

180.2922,
169.1394, 352.5126

■ 0.7991, 0.2447,
9.5864

220.6432,

■ 0.0000, 0.0000,

208.5734, 417.7999

5.0236

266.6059,
253.7045, 490.6881

■ 0.0000, 0.0000,
2.2021

■ 0.0000, 0.0000,
0.6756

■ 35.5710, 30.6488,
96.9695

■ 35.5710, 30.6488,
96.9695

■ 29.4996, 23.2013,
95.8526

■ 43.2028, 39.8261,
98.3393

■ 24.8751, 17.3703,
94.9709

■ 52.4902, 50.8304,
99.9738

■ 21.5743, 13.0335,
94.3078

■ 63.5251, 63.7553,
101.8870

■ 19.4507, 10.0490,
93.8436

■ 76.3917, 78.6871,
104.0910

■ 18.3904, 8.4132,
93.5838

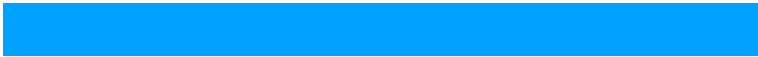
■ 91.1684, 95.7067,
106.5973

94.7297, 99.8719,
107.2135

Harmonies

Analogous

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



26.9357, 30.6488, 102.9708



35.5710, 30.6488, 96.9695



43.7311, 30.6488, 70.5978

Triad

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



35.5710, 30.6488, 96.9695



40.2172, 30.6488, 8.6440



15.9249, 30.6488, 27.3267

Complementary

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



35.5710, 30.6488, 96.9695



73.5081, 81.1615, 30.5324

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.



18.2063, 30.6488, 12.2634



35.5710, 30.6488, 96.9695



31.4420, 30.6488, 5.3772

Square

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



35.5710, 30.6488, 96.9695



46.7514, 30.6488, 18.9360



23.5189, 30.6488, 6.2786



16.6087, 30.6488, 53.7380

Rectangle

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



35.5710, 30.6488, 96.9695



47.2677, 30.6488, 49.7824



23.5189, 30.6488, 6.2786



16.3520, 30.6488, 21.0328

Sweetspot

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



35.5723, 30.6498, 96.9703



72.8025, 74.3564, 105.1229



58.0745, 80.3743, 89.9199



14.9888, 15.2263, 22.3989



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.



35.5723, 30.6498, 96.9703



29.6859, 23.1895, 97.5191



41.0695, 29.6396, 96.4855



17.2171, 17.8059, 22.7794



9.8455, 4.6006, 49.8037



1.0194, 0.5695, 4.8695

Inverse Universe

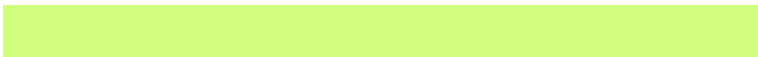
The Inverse Universe completely reimagines the original color for something new.



52.4746, 37.0033, 29.9685



48.8958, 31.1470, 21.2050



64.5738, 85.0192, 31.7478



18.1175, 18.0303, 19.2359



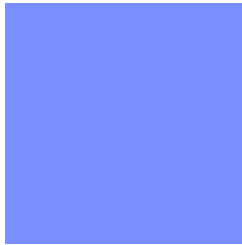
21.7578, 11.1924, 2.1089



2.1492, 1.1020, 0.3669

Previews

White Background



This preview shows how the XYZ color 35.5710, 30.6488, 96.9695 looks on a white background.

Color Contrast Check

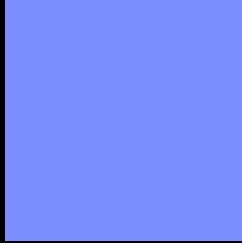
Large Text (above 18pt) WCAG AA × Fail

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 35.5710, 30.6488, 96.9695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

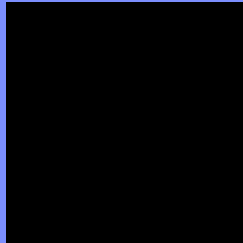
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.5710, 30.6488, 96.9695

Background



This preview shows how black text looks on a background with the XYZ color 35.5710, 30.6488, 96.9695.



This preview shows how white text looks on a background with the XYZ color 35.5710, 30.6488,

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

35.5710, 30.6488, 96.9695

Protanopia

33.9224, 30.6613, 98.7381

Deuteranopia

31.8725, 30.8476, 95.5411



Tritanopia

25.0434, 30.7001, 44.1410

Trichromacy



Original Color

35.5710, 30.6488, 96.9695

Protanomaly

34.4452, 30.7216, 97.8803

Deuteranomaly

32.9845, 30.6949, 96.2817

Tritanomaly

27.9958, 30.1109, 60.2136

Monochromacy



Original Color

35.5710, 30.6488, 96.9695

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

30.0637, 29.7211, 51.1659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5710, 30.6488, 96.9695 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, 142, 253)` looks like.

```
.text, #text, p{  
    color:rgb(123, 142, 253)  
}
```

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, 142, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 142, 253) }
```

Border

The CSS property to change the border of an element to XYZ 35.5710, 30.6488, 96.9695 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, 142, 253) }
```


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

```
.border{ border-color:rgb(123, 142, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 142, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 142, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 142, 253);  
box-shadow:4px 4px 4px 4px rgb(123, 142,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5710, 30.6488, 96.9695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 142, 253) }
```

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

```
.background{ background-color: rgb(123,  
142, 253) }
```

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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