

Converting Colors

XYZ(33.7322, 30.1096, 98.6416)

Have a look what the booklet for
XYZ(33.7322, 30.1096, 98.6416)
contains.

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Color

**XYZ(33.7322, 30.1096,
98.6416)**

Conversions

Conversions Part 1

Format	Color
Hex	6890FF
RGB	104, 144, 255
RGB Percent	41%, 56%, 100%
CMY	0.5921, 0.4353, 0.0000
CMYK	0.59, 0.44, 0.00, 0.00
HSL	224°, 100%, 70%
HSV	224°, 59%, 100%
XYZ	33.7322, 30.1096, 98.6416
YIQ	144.6940, -59.4710, 26.0410

Conversions

Conversions Part 2

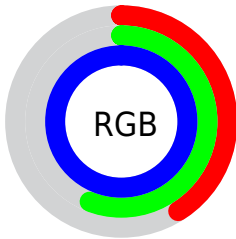
Format	Color
RYB	104, 136, 255
Decimal	6852863
CIELab	61.75, 18.88, -59.47
CIELCh	62, 62.397, 287.611
Yxy	30.1096, 0.2076, 0.1853
Android (android.graphics.Color)	4285042943 (0xFF6890FF)
YUV	144.6940, 54.3809, -35.6886
Hunter-Lab	54.8722, 13.7049, -68.1727

Details

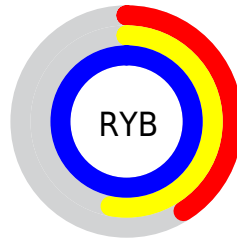
The XYZ color **33.7322, 30.1096, 98.6416** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **68.0411, 70.8638, 23.1907**, and the grayscale version is **26.5949, 27.9799, 30.4701**.

A 20% lighter version of the original color is **53.5333, 55.1518, 102.4316**, and **14.6217, 12.3022, 55.0300** is the 20% darker color. If you saturate the color by 10%, you get **28.5997, 23.5933, 97.6543**, and if you desaturate by 10%, it is **40.2330, 38.0317, 99.8281**.

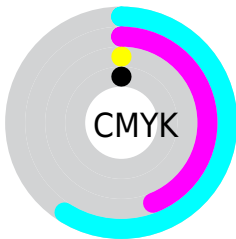
Distribution



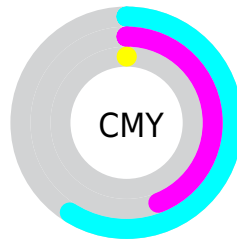
- Red (41%)
- Green (56%)
- Blue (100%)



- Red (41%)
- Yellow (53%)
- Blue (100%)



- Cyan (59%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)



- Cyan (59%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7322, 30.1096, 98.6416 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 33.7322, 30.1096, 98.6416 by changing the saturation by 10% instead.

■ 33.7322, 30.1096,
98.6416

■ 33.7322, 30.1096,
98.6416

310.5433,
302.4150, 577.0381

■ 22.8499, 19.9218,
74.5560

■ 64.8641, 59.8355,
161.3247

■ 14.6028, 12.3382,
54.7497

■ 85.8443, 80.1423,
200.7594

■ 8.6256, 6.9744,
38.8041

■ 110.9212,
104.5909, 246.1474

■ 4.5529, 3.4461,
26.3007

140.4601,
133.5658, 297.9075

■ 2.0194, 1.3688,
16.8210

174.8264,
167.4512, 356.4580

■ 0.6448, 0.1936,
9.9463

214.3855,

■ 0.0000, 0.0000,

206.6316, 422.2176

5.2582

259.5027,
251.4914, 495.6048

■ 0.0000, 0.0000,
2.3382

■ 0.0000, 0.0000,
0.7525

■ 33.7322, 30.1096,
98.6416

■ 33.7322, 30.1096,
98.6416

■ 28.5997, 23.5933,
97.6543

■ 40.2330, 38.0317,
99.8281

■ 24.7254, 18.3906,
96.8543

■ 48.1934, 47.4380,
101.2241

■ 21.9859, 14.4008,
96.2286

■ 57.7005, 58.4036,
102.8396

■ 20.2044, 11.4915,
95.7609

■ 68.8333, 70.9979,
104.6838

■ 20.0896, 11.2991,
95.7299

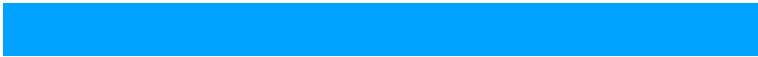
■ 81.6653, 85.2857,
106.7653

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.



25.3238, 30.1096, 100.9086



33.7322, 30.1096, 98.6416



42.1228, 30.1096, 74.3462

Triad

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



33.7322, 30.1096, 98.6416



40.8043, 30.1096, 9.2638



15.6724, 30.1096, 23.9102

Complementary

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



33.7322, 30.1096, 98.6416



68.0411, 70.8638, 23.1907

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.



18.3609, 30.1096, 10.5927



33.7322, 30.1096, 98.6416



32.1868, 30.1096, 5.3177

Square

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



33.7322, 30.1096, 98.6416



46.7182, 30.1096, 20.7923



24.0492, 30.1096, 5.6453



15.9260, 30.1096, 48.6774

Rectangle

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



33.7322, 30.1096, 98.6416



46.0891, 30.1096, 53.4963



24.0492, 30.1096, 5.6453



16.2364, 30.1096, 18.2555

Sweetspot

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



33.7333, 30.1105, 98.6417



70.2973, 72.6390, 104.9234



53.7016, 79.3562, 76.5988



14.3035, 14.7138, 22.3361



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.



33.7333, 30.1105, 98.6417



27.8181, 22.5696, 97.4979



33.6886, 22.6318, 97.2005



17.3943, 18.1601, 22.8384



10.6004, 6.1104, 50.0553



1.1170, 0.7647, 4.9020

Inverse Universe

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



51.2253, 33.1759, 30.0899



47.1924, 27.5537, 21.2126



67.7043, 87.6992, 26.4581



18.2069, 18.0661, 19.7067



22.1388, 11.3448, 4.1154



2.1984, 1.1217, 0.6263

Previews

White Background



This preview shows how the XYZ color 33.7322, 30.1096, 98.6416 looks on a white background.

Color Contrast Check

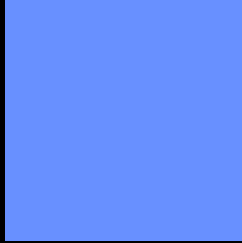
Large Text (above 18pt) WCAG AA × Fail

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 33.7322, 30.1096, 98.6416 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 33.7322, 30.1096, 98.6416

Background



This preview shows how black text looks on a background with the XYZ color 33.7322, 30.1096, 98.6416.



This preview shows how white text looks on a background with the XYZ color 33.7322, 30.1096,

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

33.7322, 30.1096, 98.6416

Protanopia

33.4309, 30.1801, 98.6711

Deuteranopia

31.3215, 30.2705, 97.9579



Tritanopia

23.1124, 30.2010, 45.1687

Trichromacy



Original Color

33.7322, 30.1096, 98.6416

Protanomaly

33.5422, 30.2375, 98.6763

Deuteranomaly

31.9590, 30.1294, 97.8971

Tritanomaly

26.1001, 29.5962, 61.4637

Monochromacy



Original Color

33.7322, 30.1096, 98.6416

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.0883, 28.4994, 49.9195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7322, 30.1096, 98.6416 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(104, 144, 255)` looks like.

```
.text, #text, p{  
    color:rgb(104, 144, 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(104, 144, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 144, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.7322, 30.1096, 98.6416 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(104, 144, 255) }
```


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

```
.border{ border-color:rgb(104, 144, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 144, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 144, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 144, 255);  
box-shadow:4px 4px 4px 4px rgb(104, 144,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7322, 30.1096, 98.6416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 144, 255) }
```

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

```
.background{ background-color: rgb(104,  
144, 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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