

Converting Colors

XYZ(33.2104, 30.2384, 98.6940)

Have a look what the booklet for
XYZ(33.2104, 30.2384, 98.6940)
contains.

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Color

**XYZ(33.2586, 30.3192,
98.7070)**

Conversions

Conversions Part 1

Format	Color
Hex	6192FF
RGB	97, 146, 255
RGB Percent	38%, 57%, 100%
CMY	0.6196, 0.4274, 0.0000
CMYK	0.62, 0.43, 0.00, 0.00
HSL	221°, 100%, 69%
HSV	221°, 62%, 100%
XYZ	33.2586, 30.3192, 98.7070
YIQ	143.7750, -64.1930, 23.5110

Conversions

Conversions Part 2

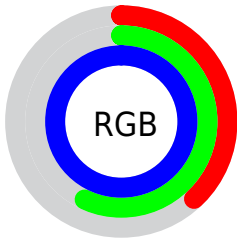
Format	Color
R _Y B	97, 134, 255
Decimal	6394623
CIE Lab	61.93, 16.44, -59.20
CIE LCh	62, 61.444, 285.517
Yxy	30.3192, 0.2049, 0.1868
Android (android.graphics.Color)	4284584703 (0xFF6192FF)
YUV	143.7750, 54.8339, -41.0217
Hunter-Lab	55.0629, 11.4560, -67.7406

Details

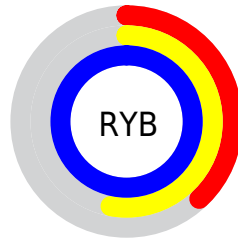
The XYZ color **33.2586, 30.3192, 98.7070** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **65.4708, 66.2687, 20.6516**, and the grayscale version is **26.2253, 27.5910, 30.0466**.

A 20% lighter version of the original color is **52.7715, 55.4378, 102.5269**, and **14.3759, 12.4430, 55.0701** is the 20% darker color. If you saturate the color by 10%, you get **28.4586, 24.1242, 97.7643**, and if you desaturate by 10%, it is **39.3511, 37.8006, 99.8300**.

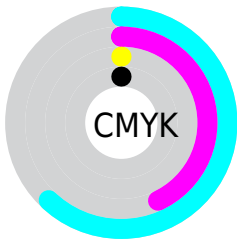
Distribution



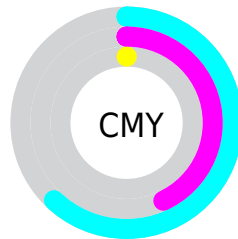
- Red (38%)
- Green (57%)
- Blue (100%)



- Red (38%)
- Yellow (53%)
- Blue (100%)



- Cyan (62%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)



- Cyan (62%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2586, 30.3192, 98.7070 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 33.2586, 30.3192, 98.7070 by changing the saturation by 10% instead.

■ 33.2586, 30.3192,
98.7070

■ 33.2586, 30.3192,
98.7070

308.4578,
303.3895, 577.2504

■ 22.4848, 20.0810,
74.6103

■ 64.1310, 60.1666,
161.4155

■ 14.3322, 12.4539,
54.7939

■ 84.9604, 80.5446,
200.8644

■ 8.4353, 7.0536,
38.8392

■ 109.8723,
105.0713, 246.2677

■ 4.4289, 3.4957,
26.3278

■ 139.2321,
134.1311, 298.0441

■ 1.9475, 1.3957,
16.8411

173.4053,
168.1085, 356.6120

■ 0.6042, 0.2135,
9.9605

212.7570,

■ 0.0000, 0.0000,

207.3877, 422.3900

5.2675

257.6527,
252.3533, 495.7966

■ 0.0000, 0.0000,
2.3436

■ 0.0000, 0.0000,
0.7555

■ 33.2586, 30.3192,
98.7070

■ 33.2586, 30.3192,
98.7070

■ 28.4586, 24.1242,
97.7643

■ 39.3511, 37.8006,
99.8300

■ 24.8416, 19.1300,
96.9909

■ 46.8259, 46.6402,
101.1422

■ 22.2830, 15.2423,
96.3754

■ 55.7686, 56.9074,
102.6526

■ 20.8515, 12.8230,
95.9838

■ 66.2563, 68.6653,
104.3694

■ 78.3605, 81.9734,
106.3001

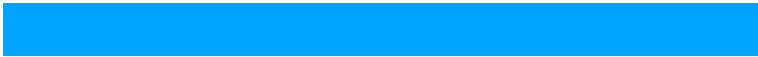
■ 92.1482, 96.8876,
108.4522

■ 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.



25.0406, 30.3192, 99.1466



33.2586, 30.3192, 98.7070



41.6369, 30.3192, 76.0032

Triad

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



33.2586, 30.3192, 98.7070



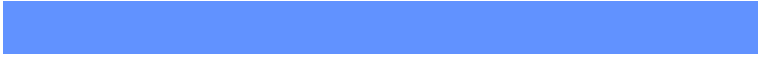
41.3796, 30.3192, 10.0955



16.0575, 30.3192, 22.9315

Complementary

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



33.2586, 30.3192, 98.7070



65.4708, 66.2687, 20.6516

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.



18.9431, 30.3192, 10.3601



33.2586, 30.3192, 98.7070



32.9563, 30.3192, 5.7116

Square

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



33.2586, 30.3192, 98.7070



46.8990, 30.3192, 22.3179



24.7905, 30.3192, 5.7775



16.1076, 30.3192, 46.6716

Rectangle

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



33.2586, 30.3192, 98.7070



45.7388, 30.3192, 55.5641



24.7905, 30.3192, 5.7775



16.6882, 30.3192, 17.5753

Sweetspot

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



33.2597, 30.3201, 98.7071



69.6650, 72.4375, 104.9178



51.7063, 78.4681, 70.1587



14.2051, 14.7233, 22.3431



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.



33.2597, 30.3201, 98.7071



27.6275, 23.0095, 97.5929



30.9256, 20.2044, 96.8776



17.4625, 18.2965, 22.8612



11.0113, 6.9322, 50.1923



1.1644, 0.8595, 4.9178

Inverse Universe

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



50.7038, 31.8862, 30.6771



46.8958, 26.6676, 22.0163



69.2930, 88.5576, 24.7523



18.2413, 18.0798, 19.8880



22.3462, 11.4278, 5.2076



2.2224, 1.1313, 0.7523

Previews

White Background



This preview shows how the XYZ color 33.2586, 30.3192, 98.7070 looks on a white background.

Color Contrast Check

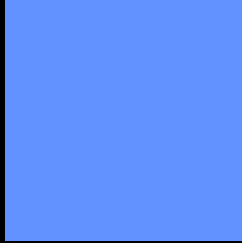
Large Text (above 18pt) WCAG AA × Fail

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 33.2586, 30.3192, 98.7070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

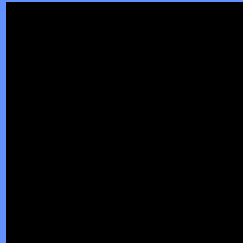
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.2586, 30.3192, 98.7070

Background



This preview shows how black text looks on a background with the XYZ color 33.2586, 30.3192, 98.7070.



This preview shows how white text looks on a background with the XYZ color 33.2586, 30.3192,

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

33.2586, 30.3192, 98.7070

Protanopia

33.4943, 30.2313, 97.8358

Deuteranopia

31.3943, 30.3080, 97.9613



Tritanopia

22.6786, 30.2285, 45.7137

Trichromacy



Original Color

33.2586, 30.3192, 98.7070

Protanomaly

33.2703, 30.1159, 97.8253

Deuteranomaly

31.9451, 30.3561, 97.9416

Tritanomaly

25.7489, 29.8994, 62.1717

Monochromacy



Original Color

33.2586, 30.3192, 98.7070

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

27.5295, 28.2235, 49.3441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2586, 30.3192, 98.7070 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(97, 146, 255)` looks like.

```
.text, #text, p{  
    color:rgb(97, 146, 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(97, 146, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 146, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.2586, 30.3192, 98.7070 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(97, 146, 255) }
```


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

```
.border{ border-color:rgb(97, 146, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 146, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 146, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 146, 255);  
box-shadow:4px 4px 4px 4px rgb(97, 146,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2586, 30.3192, 98.7070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 146, 255) }
```

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

```
.background{ background-color: rgb(97, 146,  
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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