

Converting Colors

XYZ(33.5357, 30.4841, 98.7242)

Have a look what the booklet for
XYZ(33.5357, 30.4841, 98.7242)
contains.

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Color

**XYZ(33.4745, 30.4304,
98.7171)**

Conversions

Conversions Part 1

Format	Color
Hex	6392FF
RGB	99, 146, 255
RGB Percent	39%, 57%, 100%
CMY	0.6117, 0.4274, 0.0000
CMYK	0.61, 0.43, 0.00, 0.00
HSL	222°, 100%, 69%
HSV	222°, 61%, 100%
XYZ	33.4745, 30.4304, 98.7171
YIQ	144.3730, -63.0010, 23.9350

Conversions

Conversions Part 2

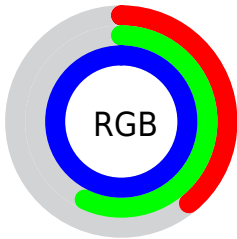
Format	Color
RYB	99, 135, 255
Decimal	6525695
CIELab	62.02, 16.79, -59.05
CIELCh	62, 61.388, 285.872
Yxy	30.4304, 0.2058, 0.1871
Android (android.graphics.Color)	4284715775 (0xFF6392FF)
YUV	144.3730, 54.5391, -39.7921
Hunter-Lab	55.1638, 11.7809, -67.4865

Details

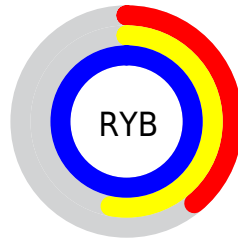
The XYZ color **33.4745, 30.4304, 98.7171** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **66.0502, 67.2764, 21.3110**, and the grayscale version is **26.4660, 27.8443, 30.3224**.

A 20% lighter version of the original color is **53.1714, 55.6439, 102.5457**, and **14.4886, 12.5010, 55.0754** is the 20% darker color. If you saturate the color by 10%, you get **28.5795, 24.1426, 97.7614**, and if you desaturate by 10%, it is **39.6791, 38.0294, 99.8568**.

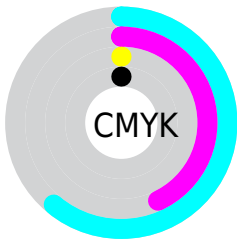
Distribution



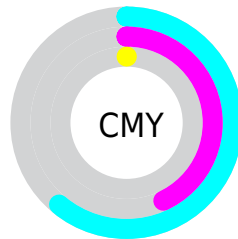
- Red (39%)
- Green (57%)
- Blue (100%)



- Red (39%)
- Yellow (53%)
- Blue (100%)



- Cyan (61%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)



- Cyan (61%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4745, 30.4304, 98.7171 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 33.4745, 30.4304, 98.7171 by changing the saturation by 10% instead.

■ 33.4745, 30.4304,
98.7171

■ 33.4745, 30.4304,
98.7171

309.4098,
303.9055, 577.2832

■ 22.6512, 20.1655,
74.6187

■ 64.4654, 60.3422,
161.4295

■ 14.4554, 12.5154,
54.8007

■ 85.3636, 80.7578,
200.8806

■ 8.5219, 7.0957,
38.8447

■ 110.3509,
105.3259, 246.2863

■ 4.4853, 3.5220,
26.3320

139.7925,
134.4307, 298.0652

■ 1.9802, 1.4100,
16.8442

174.0538,
168.4567, 356.6358

■ 0.6228, 0.2240,
9.9627

213.5003,

■ 0.0000, 0.0000,

207.7882, 422.4166

5.2689

258.4971,
252.8097, 495.8262

■ 0.0000, 0.0000,
2.3444

■ 0.0000, 0.0000,
0.7559

■ 33.4745, 30.4304,
98.7171

■ 33.4745, 30.4304,
98.7171

■ 28.5795, 24.1426,
97.7614

■ 39.6791, 38.0294,
99.8568

■ 24.8847, 19.0794,
96.9789

■ 47.2831, 47.0125,
101.1900

■ 22.2669, 15.1458,
96.3576

■ 56.3720, 57.4498,
102.7255

■ 20.6912, 12.5025,
95.9304

■ 67.0232, 69.4057,
104.4719

■ 79.3084, 82.9404,
106.4368

■ 93.2949, 98.1108,
108.6278

■ 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.



25.2268, 30.4304, 99.4585



33.4745, 30.4304, 98.7171



41.8462, 30.4304, 75.8137

Triad

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



33.4745, 30.4304, 98.7171



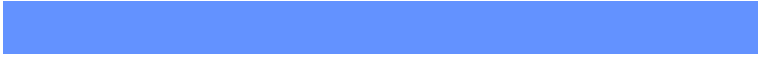
41.4118, 30.4304, 10.0752



16.1223, 30.4304, 23.2489

Complementary

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



33.4745, 30.4304, 98.7171



66.0502, 67.2764, 21.3110

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.



18.9792, 30.4304, 10.5229



33.4745, 30.4304, 98.7171



32.9641, 30.4304, 5.7403

Square

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



33.4745, 30.4304, 98.7171



46.9890, 30.4304, 22.2122



24.8043, 30.4304, 5.8520



16.2069, 30.4304, 47.1511

Rectangle

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



33.4745, 30.4304, 98.7171



45.9194, 30.4304, 55.3498



24.8043, 30.4304, 5.8520



16.7428, 30.4304, 17.8350

Sweetspot

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



33.4756, 30.4313, 98.7172



70.7411, 73.5265, 105.0713



51.9989, 78.6101, 70.5725



14.4104, 14.9275, 22.3717



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.



33.4756, 30.4313, 98.7172



27.8181, 23.1287, 97.6059



31.3558, 20.7041, 96.9514



17.4491, 18.2698, 22.8567



10.9252, 6.7600, 50.1636



1.1547, 0.8400, 4.9146

Inverse Universe

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



50.8911, 32.2607, 30.7394



47.0560, 26.9766, 22.1048



69.5027, 88.6548, 25.2555



18.2346, 18.0771, 19.8524



22.3027, 11.4104, 4.9787



2.2174, 1.1293, 0.7264

Previews

White Background



This preview shows how the XYZ color 33.4745, 30.4304, 98.7171 looks on a white background.

Color Contrast Check

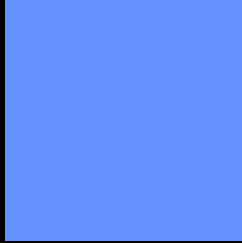
Large Text (above 18pt) WCAG AA × Fail

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 33.4745, 30.4304, 98.7171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

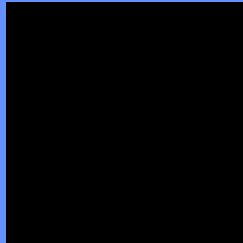
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

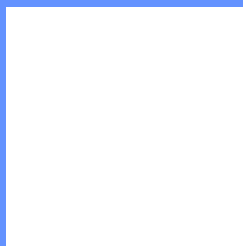
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.4745, 30.4304, 98.7171

Background



This preview shows how black text looks on a background with the XYZ color 33.4745, 30.4304, 98.7171.



This preview shows how white text looks on a background with the XYZ color 33.4745, 30.4304,

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

33.4745, 30.4304, 98.7171

Protanopia

33.8084, 30.6025, 98.7327

Deuteranopia

31.6285, 30.6667, 98.0182



Tritanopia

22.8581, 30.3211, 45.7221

Trichromacy



Original Color

33.4745, 30.4304, 98.7171

Protanomaly

33.6957, 30.5445, 98.7275

Deuteranomaly

32.1165, 30.4445, 97.9496

Tritanomaly

25.9781, 30.0176, 62.1824

Monochromacy



Original Color

33.4745, 30.4304, 98.7171

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

27.6792, 28.3007, 49.3511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4745, 30.4304, 98.7171 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(99, 146, 255)` looks like.

```
.text, #text, p{  
    color:rgb(99, 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(99, 146, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 146, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.4745, 30.4304, 98.7171 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(99, 146, 255) }
```


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

```
.border{ border-color:rgb(99, 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(99, 146, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 146, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 146, 255);  
box-shadow:4px 4px 4px 4px rgb(99, 146,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4745, 30.4304, 98.7171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 146, 255) }
```

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

```
.background{ background-color: rgb(99, 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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