

Converting Colors

XYZ(33.4333, 31.5170, 76.1562)

Have a look what the booklet for
XYZ(33.4333, 31.5170, 76.1562)
contains.

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Color

**XYZ(33.5282, 31.6530,
76.2940)**

Conversions

Conversions Part 1

Format	Color
Hex	8195E2
RGB	129, 149, 226
RGB Percent	51%, 58%, 89%
CMY	0.4941, 0.4157, 0.1137
CMYK	0.43, 0.34, 0.00, 0.11
HSL	228°, 63%, 70%
HSV	228°, 43%, 89%
XYZ	33.5282, 31.6530, 76.2940
YIQ	151.7980, -36.6370, 19.7070

Conversions

Conversions Part 2

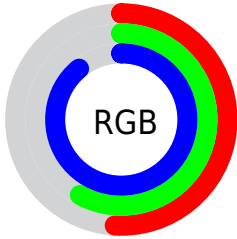
Format	Color
R_{YB}	129, 146, 226
Decimal	8492514
CIE _{Lab}	63.06, 12.53, -41.34
CIE _{LCh}	63, 43.196, 286.865
Yxy	31.6530, 0.2370, 0.2237
Android (android.graphics.Color)	4286682594 (0xFF8195E2)
YUV	151.7980, 36.5816, -19.9938
Hunter-Lab	56.2610, 7.9186, -41.0188

Details

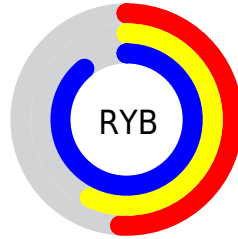
The XYZ color **33.5282, 31.6530, 76.2940** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **57.3991, 61.8981, 29.6927**, and the grayscale version is **29.6177, 31.1601, 33.9334**.

A 20% lighter version of the original color is **59.4135, 60.2462, 103.1050**, and **14.4652, 13.2424, 39.8239** is the 20% darker color. If you saturate the color by 10%, you get **27.8442, 24.8292, 75.2771**, and if you desaturate by 10%, it is **40.4109, 39.7449, 77.4937**.

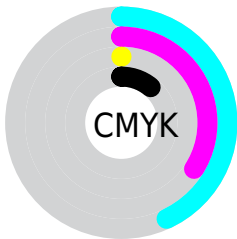
Distribution



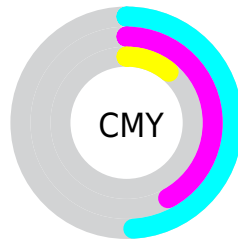
- Red (51%)
- Green (58%)
- Blue (89%)



- Red (51%)
- Yellow (57%)
- Blue (89%)



- Cyan (43%)
- Magenta (34%)
- Yellow (0%)
- Black (11%)



- Cyan (49%)
- Magenta (42%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5282, 31.6530, 76.2940 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 33.5282, 31.6530, 76.2940 by changing the saturation by 10% instead.

■ 33.5282, 31.6530,
76.2940

■ 33.5282, 31.6530,
76.2940

309.6462,
309.5355, 501.7271

■ 22.6926, 21.0966,
56.1655

■ 64.5485, 62.2667,
129.9063

■ 14.4861, 13.1946,
39.9308

■ 85.4638, 83.0928,
164.2272

■ 8.5435, 7.5627,
27.1712

■ 110.4698,
108.1109, 204.1160

■ 4.4993, 3.8164,
17.4683

139.9317,
137.7054, 249.9912

■ 1.9883, 1.5714,
10.4034

174.2150,
172.2607, 302.2714

■ 0.6274, 0.3382,
5.5582

213.6849,

■ 0.0000, 0.0000,

212.1613, 361.3751

2.5139

258.7069,
257.7914, 427.7208

■ 0.0000, 0.0000,
0.8475

■ 0.0000, 0.0000,
0.0000

■ 33.5282, 31.6530,
76.2940

■ 33.5282, 31.6530,
76.2940

■ 27.8442, 24.8292,
75.2771

■ 40.4109, 39.7449,
77.4937

■ 23.2849, 19.2041,
74.4316

■ 48.5534, 49.1625,
78.8824

■ 19.7731, 14.7066,
73.7486

■ 58.0169, 59.9639,
80.4685

■ 17.2201, 11.2561,
73.2171

■ 68.8574, 72.2028,
82.2594

■ 15.5207, 8.7600,
72.8249

■ 81.1276, 85.9298,
84.2623

■ 14.7280, 7.4918,
72.6219

■ 90.7276, 98.2710,
86.1384

Harmonies

Analogous

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



27.5595, 31.6530, 77.2357



33.5282, 31.6530, 76.2940



39.2307, 31.6530, 62.0729

Triad

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



33.5282, 31.6530, 76.2940



38.6054, 31.6530, 15.6567



20.2621, 31.6530, 27.5421

Complementary

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



33.5282, 31.6530, 76.2940



57.3991, 61.8981, 29.6927

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.



22.4845, 31.6530, 16.5652



33.5282, 31.6530, 76.2940



32.7607, 31.6530, 11.3899

Square

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



33.5282, 31.6530, 76.2940



42.4164, 31.6530, 25.8055



26.8864, 31.6530, 11.6559



20.4106, 31.6530, 44.8721

Rectangle

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



33.5282, 31.6530, 76.2940



41.8806, 31.6530, 49.0081



26.8864, 31.6530, 11.6559



20.7428, 31.6530, 23.1273

Sweetspot

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



33.5294, 31.6542, 76.2948



76.0604, 78.5901, 105.7683



47.2682, 63.4677, 67.5073



15.6568, 16.1131, 22.5349



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.



33.5294, 31.6542, 76.2948



36.9974, 33.1161, 99.0498



35.3831, 28.3093, 75.5514



13.1798, 13.6988, 17.3372



8.4708, 4.4111, 41.4533



0.6513, 0.4340, 2.8947

Inverse Universe

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



44.6401, 34.0406, 32.6525



53.7327, 37.4711, 33.1444



54.5850, 68.0546, 31.0294



13.8222, 13.7465, 14.8341



18.2159, 9.3533, 2.5365



1.2950, 0.6613, 0.3462

Previews

White Background



This preview shows how the XYZ color 33.5282, 31.6530, 76.2940 looks on a white background.

Color Contrast Check

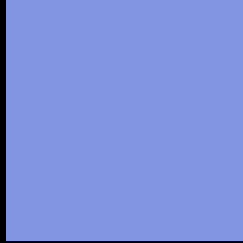
Large Text (above 18pt) WCAG AA × Fail

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 33.5282, 31.6530, 76.2940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

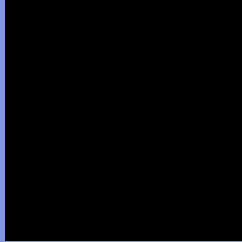
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.5282, 31.6530, 76.2940

Background



This preview shows how black text looks on a background with the XYZ color 33.5282, 31.6530, 76.2940.



This preview shows how white text looks on a background with the XYZ color 33.5282, 31.6530,

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

33.5282, 31.6530, 76.2940

Protanopia

33.3757, 31.7944, 77.0509

Deuteranopia

32.4029, 31.5625, 75.6185



Tritanopia

27.1839, 31.8036, 44.2411

Trichromacy



Original Color

33.5282, 31.6530, 76.2940

Protanomaly

33.5239, 31.8708, 77.0578

Deuteranomaly

32.6653, 31.4599, 75.5849

Tritanomaly

29.1486, 31.5758, 54.4276

Monochromacy



Original Color

33.5282, 31.6530, 76.2940

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.7049, 31.3172, 47.0743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5282, 31.6530, 76.2940 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(129, 149, 226)` looks like.

```
.text, #text, p{  
    color:rgb(129, 149, 226)  
}
```

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(129, 149, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 149, 226) }
```

Border

The CSS property to change the border of an element to XYZ 33.5282, 31.6530, 76.2940 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(129, 149, 226) }
```


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

```
.border{ border-color:rgb(129, 149, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 149, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 149, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 149, 226);  
box-shadow:4px 4px 4px 4px rgb(129, 149,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5282, 31.6530, 76.2940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 149, 226) }
```

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

```
.background{ background-color: rgb(129,  
149, 226) }
```

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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