

Converting Colors

XYZ(33.3365, 31.4541, 64.6065)

Have a look what the booklet for
XYZ(33.3365, 31.4541, 64.6065)
contains.

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Color

**XYZ(33.2700, 31.3105,
64.6116)**

Conversions

Conversions Part 1

Format	Color
Hex	8F93D1
RGB	143, 147, 209
RGB Percent	56%, 58%, 82%
CMY	0.4392, 0.4235, 0.1804
CMYK	0.32, 0.30, 0.00, 0.18
HSL	236°, 42%, 69%
HSV	236°, 32%, 82%
XYZ	33.2700, 31.3105, 64.6116
YIQ	152.8720, -22.2860, 18.4340

Conversions

Conversions Part 2

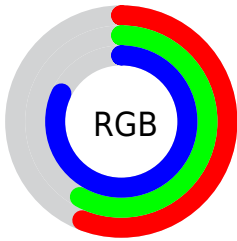
Format	Color
RYB	143, 147, 209
Decimal	9409489
CIELab	62.77, 12.86, -32.26
CIElCh	63, 34.725, 291.730
Yxy	31.3105, 0.2575, 0.2424
Android (android.graphics.Color)	4287599569 (0xFF8F93D1)
YUV	152.8720, 27.6711, -8.6577
Hunter-Lab	55.9558, 8.2093, -29.2925

Details

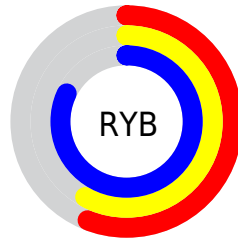
The XYZ color **33.2700, 31.3105, 64.6116** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.0844, 59.2017, 34.6169**, and the grayscale version is **30.1140, 31.6822, 34.5019**.

A 20% lighter version of the original color is **62.2253, 60.9991, 103.1021**, and **14.3239, 13.0561, 32.3370** is the 20% darker color. If you saturate the color by 10%, you get **27.1865, 24.0229, 63.5261**, and if you desaturate by 10%, it is **40.5507, 39.9900, 65.9037**.

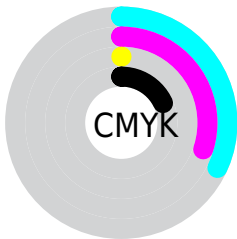
Distribution



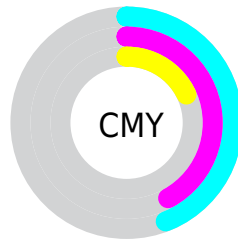
- Red (56%)
- Green (58%)
- Blue (82%)



- Red (56%)
- Yellow (58%)
- Blue (82%)



- Cyan (32%)
- Magenta (30%)
- Yellow (0%)
- Black (18%)



- Cyan (44%)
- Magenta (42%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2700, 31.3105, 64.6116 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 33.2700, 31.3105, 64.6116 by changing the saturation by 10% instead.

■ 33.2700, 31.3105,
64.6116

■ 33.2700, 31.3105,
64.6116

308.5081,
307.9662, 459.6629

■ 22.4936, 20.8354,
46.6969

■ 64.1487, 61.7286,
113.0992

■ 14.3387, 13.0037,
32.4435

■ 84.9817, 82.4404,
144.5091

■ 8.4399, 7.4311,
21.4328

109.8976,
107.3332, 181.2546

■ 4.4318, 3.7332,
13.2464

139.2618,
136.7914, 223.7540

■ 1.9492, 1.5254,
7.4657

173.4395,
171.1994, 272.4260

■ 0.6052, 0.3065,
3.6722

212.7963,

■ 0.0000, 0.0000,

210.9416, 327.6891

1.4473

257.6974,
256.4024, 389.9619

■ 0.0000, 0.0000,
0.1782

■ 0.0000, 0.0000,
0.0000

■ 33.2700, 31.3105,
64.6116

■ 33.2700, 31.3105,
64.6116

■ 27.1865, 24.0229,
63.5261

■ 40.5507, 39.9900,
65.9037

■ 22.2331, 18.0515,
62.6346

■ 49.0846, 50.1248,
67.4102

■ 18.3408, 13.3185,
61.9262

■ 58.9279, 61.7787,
69.1408

■ 15.4319, 9.7369,
61.3882

■ 70.1327, 75.0108,
71.1043

■ 13.4182, 7.2081,
61.0062

■ 82.7480, 89.8768,
73.3088

■ 12.1952, 5.6170,
60.7636

■ 88.5087, 97.3835,
74.4541

■ 11.6484, 4.8829,
60.6507

Harmonies

Analogous

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



28.4655, 31.3105, 67.0717



33.2700, 31.3105, 64.6116



37.5197, 31.3105, 52.9895

Triad

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



33.2700, 31.3105, 64.6116



35.7811, 31.3105, 17.4063



21.6072, 31.3105, 30.4669

Complementary

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



33.2700, 31.3105, 64.6116



53.0844, 59.2017, 34.6169

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.



23.1510, 31.3105, 20.3243



33.2700, 31.3105, 64.6116



31.0925, 31.3105, 14.2086

Square

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



33.2700, 31.3105, 64.6116



39.0735, 31.3105, 25.2974



26.5054, 31.3105, 15.1123



22.0577, 31.3105, 44.7193

Rectangle

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



33.2700, 31.3105, 64.6116



39.3000, 31.3105, 42.9648



26.5054, 31.3105, 15.1123



21.9036, 31.3105, 26.5331

Sweetspot

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



33.2711, 31.3117, 64.6123



80.6089, 82.9120, 106.3628



45.1002, 55.8298, 65.9046



16.7888, 17.1958, 22.6842



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.



33.2711, 31.3117, 64.6123



45.4409, 41.0405, 100.1344



38.2576, 32.9749, 64.6705



11.2204, 11.5310, 14.8780



7.2066, 3.0598, 37.4033



0.4236, 0.2124, 2.0982

Inverse Universe

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



41.3843, 35.3079, 32.2389



60.1823, 48.4272, 41.2846



46.6749, 57.3362, 34.5947



11.8374, 11.8197, 12.4194



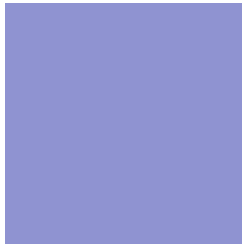
16.2683, 8.3802, 1.0530



0.9200, 0.4727, 0.1138

Previews

White Background



This preview shows how the XYZ color 33.2700, 31.3105, 64.6116 looks on a white background.

Color Contrast Check

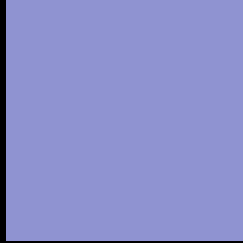
Large Text (above 18pt) WCAG AA × Fail

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 33.2700, 31.3105, 64.6116 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 33.2700, 31.3105, 64.6116

Background



This preview shows how black text looks on a background with the XYZ color 33.2700, 31.3105, 64.6116.



This preview shows how white text looks on a background with the XYZ color 33.2700, 31.3105,

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

33.2700, 31.3105, 64.6116

Protanopia

32.3371, 31.5024, 66.0042

Deuteranopia

32.1230, 31.4351, 64.0490



Tritanopia

28.5279, 31.3010, 41.0973

Trichromacy



Original Color

33.2700, 31.3105, 64.6116

Protanomaly

32.6968, 31.4664, 65.3231

Deuteranomaly

32.4491, 31.3673, 64.0188

Tritanomaly

29.9883, 31.1522, 48.6884

Monochromacy



Original Color

33.2700, 31.3105, 64.6116

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.0039, 31.5399, 43.9889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2700, 31.3105, 64.6116 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(143, 147, 209)` looks like.

```
.text, #text, p{  
    color:rgb(143, 147, 209)  
}
```

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(143, 147, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 147, 209) }
```

Border

The CSS property to change the border of an element to XYZ 33.2700, 31.3105, 64.6116 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(143, 147, 209) }
```


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

```
.border{ border-color:rgb(143, 147, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 147, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 147, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 147, 209);  
box-shadow:4px 4px 4px 4px rgb(143, 147,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2700, 31.3105, 64.6116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 147, 209) }
```

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

```
.background{ background-color: rgb(143,  
147, 209) }
```

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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