

Converting Colors

XYZ(33.0197, 30.5772, 73.1638)

Have a look what the booklet for
XYZ(33.0197, 30.5772, 73.1638)
contains.

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Color

**XYZ(32.9831, 30.5113,
73.2581)**

Conversions

Conversions Part 1

Format	Color
Hex	8591DE
RGB	133, 145, 222
RGB Percent	52%, 57%, 87%
CMY	0.4784, 0.4314, 0.1294
CMYK	0.40, 0.35, 0.00, 0.13
HSL	232°, 57%, 70%
HSV	232°, 40%, 87%
XYZ	32.9831, 30.5113, 73.2581
YIQ	150.1900, -31.8690, 21.4030

Conversions

Conversions Part 2

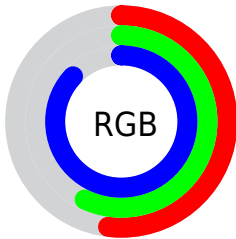
Format	Color
RYB	133, 144, 222
Decimal	8753630
CIELab	62.09, 14.75, -40.61
CIELCh	62, 43.206, 289.968
Yxy	30.5113, 0.2412, 0.2231
Android (android.graphics.Color)	4286943710 (0xFF8591DE)
YUV	150.1900, 35.4023, -15.0756
Hunter-Lab	55.2370, 9.9210, -39.9674

Details

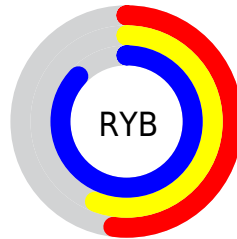
The XYZ color **32.9831, 30.5113, 73.2581** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **57.4055, 63.3175, 31.3877**, and the grayscale version is **28.9351, 30.4420, 33.1513**.

A 20% lighter version of the original color is **59.4597, 58.8857, 102.8399**, and **14.1170, 12.5573, 37.7561** is the 20% darker color. If you saturate the color by 10%, you get **27.1506, 23.5102, 72.2147**, and if you desaturate by 10%, it is **40.0547, 38.8888, 74.5030**.

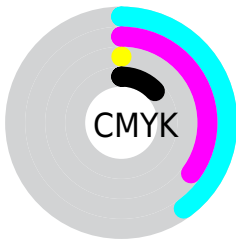
Distribution



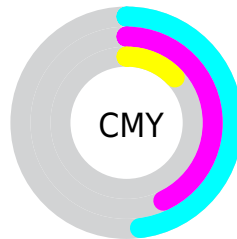
- Red (52%)
- Green (57%)
- Blue (87%)



- Red (52%)
- Yellow (56%)
- Blue (87%)



- Cyan (40%)
- Magenta (35%)
- Yellow (0%)
- Black (13%)



- Cyan (48%)
- Magenta (43%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9831, 30.5113, 73.2581 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 32.9831, 30.5113, 73.2581 by changing the saturation by 10% instead.

■ 32.9831, 30.5113,
73.2581

■ 32.9831, 30.5113,
73.2581

307.2399,
304.2805, 491.0036

■ 22.2727, 20.2270,
53.6939

■ 63.7040, 60.4698,
125.5679

■ 14.1751, 12.5602,
37.9655

■ 84.4452, 80.9129,
159.1505

■ 8.3251, 7.1264,
25.6543

■ 109.2607,
105.5109, 198.2431

■ 4.3572, 3.5413,
16.3418

138.5158,
134.6484, 243.2641

■ 1.9061, 1.4204,
9.6093

172.5759,
168.7097, 294.6322

■ 0.5804, 0.2317,
5.0385

211.8064,

■ 0.0000, 0.0000,

208.0792, 352.7657

2.2107

256.5726,
253.1414, 418.0834

■ 0.0000, 0.0000,
0.6806

■ 0.0000, 0.0000,
0.0000

■ 32.9831, 30.5113,
73.2581

■ 32.9831, 30.5113,
73.2581

■ 27.1506, 23.5102,
72.2147

■ 40.0547, 38.8888,
74.5030

■ 22.4817, 17.8081,
71.3602

■ 48.4281, 48.7077,
75.9569

■ 18.8982, 13.3246,
70.6837

■ 58.1659, 60.0333,
77.6297

■ 16.3101, 9.9693,
70.1724

■ 69.3256, 72.9254,
79.5300

■ 14.6128, 7.6385,
69.8120

■ 81.9612, 87.4408,
81.6658

■ 13.6474, 6.1990,
69.5850

■ 90.1849, 98.0540,
83.2809

Harmonies

Analogous

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



27.0979, 30.5113, 75.7137



32.9831, 30.5113, 73.2581



38.4184, 30.5113, 58.3311

Triad

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



32.9831, 30.5113, 73.2581



36.7923, 30.5113, 14.2578



19.3351, 30.5113, 27.9559

Complementary

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



32.9831, 30.5113, 73.2581



57.4055, 63.3175, 31.3877

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.



21.2625, 30.5113, 16.6042



32.9831, 30.5113, 73.2581



30.9893, 30.5113, 10.6320

Square

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



32.9831, 30.5113, 73.2581



40.8130, 30.5113, 23.4533



25.3514, 30.5113, 11.3169



19.7196, 30.5113, 45.3835

Rectangle

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



32.9831, 30.5113, 73.2581



40.8076, 30.5113, 45.4254



25.3514, 30.5113, 11.3169



19.7229, 30.5113, 23.4264

Sweetspot

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



32.9842, 30.5124, 73.2588



76.8028, 78.9077, 105.7905



47.2605, 61.8160, 69.5363



16.0508, 16.4388, 22.5770



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.



32.9842, 30.5124, 73.2588



38.4234, 33.7013, 99.0876



36.9144, 29.9589, 72.9448



13.1003, 13.5397, 17.3107



8.1525, 3.7745, 41.3472



0.6137, 0.3589, 2.8822

Inverse Universe

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



43.6236, 34.3503, 31.1202



55.0058, 40.0989, 33.3173



51.8040, 64.9937, 32.0064



13.7821, 13.7305, 14.6227



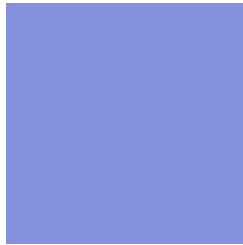
18.0552, 9.2891, 1.6904



1.2760, 0.6537, 0.2465

Previews

White Background



This preview shows how the XYZ color 32.9831, 30.5113, 73.2581 looks on a white background.

Color Contrast Check

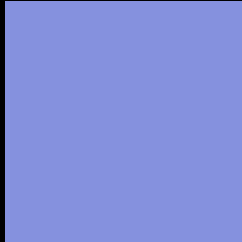
Large Text (above 18pt) WCAG AA × Fail

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 32.9831, 30.5113, 73.2581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

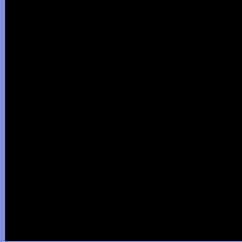
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.9831, 30.5113, 73.2581

Background



This preview shows how black text looks on a background with the XYZ color 32.9831, 30.5113, 73.2581.



This preview shows how white text looks on a background with the XYZ color 32.9831, 30.5113,

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

32.9831, 30.5113, 73.2581

Protanopia

32.2004, 30.5343, 74.7176

Deuteranopia

31.4063, 30.6373, 72.6649



Tritanopia

26.7021, 30.5972, 41.5443

Trichromacy



Original Color

32.9831, 30.5113, 73.2581

Protanomaly

32.3506, 30.3975, 73.9743

Deuteranomaly

31.9532, 30.6854, 72.6454

Tritanomaly

28.7628, 30.4473, 51.9379

Monochromacy



Original Color

32.9831, 30.5113, 73.2581

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.9280, 30.2437, 45.3345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9831, 30.5113, 73.2581 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(133, 145, 222)` looks like.

```
.text, #text, p{  
    color:rgb(133, 145, 222)  
}
```

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(133, 145, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 145, 222) }
```

Border

The CSS property to change the border of an element to XYZ 32.9831, 30.5113, 73.2581 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(133, 145, 222) }
```


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

```
.border{ border-color:rgb(133, 145, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 145, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 145, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 145, 222);  
box-shadow:4px 4px 4px 4px rgb(133, 145,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9831, 30.5113, 73.2581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 145, 222) }
```

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

```
.background{ background-color: rgb(133,  
145, 222) }
```

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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