

Converting Colors

XYZ(30.5325, 25.3233, 70.9888)

Have a look what the booklet for
XYZ(30.5325, 25.3233, 70.9888)
contains.

XYZ(30.5325, 25.3233, 70.9888)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.5325, 25.3233,
70.9888)**

Conversions

Conversions Part 1

Format	Color
Hex	887EDC
RGB	136, 126, 220
RGB Percent	53%, 49%, 86%
CMY	0.4667, 0.5059, 0.1373
CMYK	0.38, 0.43, 0.00, 0.14
HSL	246°, 57%, 68%
HSV	246°, 43%, 86%
XYZ	30.5325, 25.3233, 70.9888
YIQ	139.7060, -24.2140, 31.3540

Conversions

Conversions Part 2

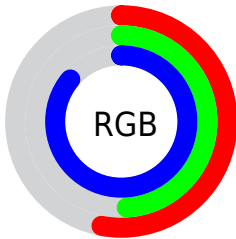
Format	Color
RYB	136, 126, 220
Decimal	8945372
CIELab	57.39, 26.10, -46.89
CIELCh	57, 53.666, 299.104
Yxy	25.3233, 0.2407, 0.1996
Android (android.graphics.Color)	4287135452 (0xFF887EDC)
YUV	139.7060, 39.5849, -3.2502
Hunter-Lab	50.3223, 20.2390, -48.4139

Details

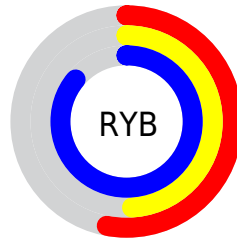
The XYZ color **30.5325, 25.3233, 70.9888** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **55.9376, 66.3947, 29.6067**, and the grayscale version is **24.6724, 25.9572, 28.2674**.

A 20% lighter version of the original color is **55.9083, 50.6667, 101.4407**, and **12.7481, 9.7374, 36.3296** is the 20% darker color. If you saturate the color by 10%, you get **25.1173, 18.8051, 70.0166**, and if you desaturate by 10%, it is **37.1538, 33.3823, 72.1958**.

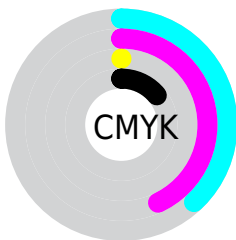
Distribution



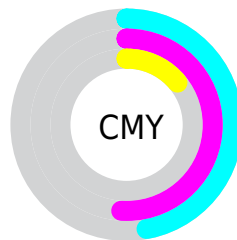
- Red (53%)
- Green (49%)
- Blue (86%)



- Red (53%)
- Yellow (49%)
- Blue (86%)



- Cyan (38%)
- Magenta (43%)
- Yellow (0%)
- Black (14%)



- Cyan (47%)
- Magenta (51%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5325, 25.3233, 70.9888 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 30.5325, 25.3233, 70.9888 by changing the saturation by 10% instead.

■ 30.5325, 25.3233,
70.9888

■ 30.5325, 25.3233,
70.9888

296.2442,
279.4442, 482.8969

■ 20.3932, 16.3181,
51.8513

■ 59.8841, 52.1812,
122.3121

■ 12.7911, 9.7495,
36.5051

■ 79.8272, 70.8027,
155.3349

■ 7.3609, 5.2332,
24.5318

■ 103.7689, 93.3985,
193.8233

■ 3.7371, 2.3847,
15.5127

132.0746,
120.3528, 238.1957

■ 1.5545, 0.8180,
9.0294

165.1096,
152.0501, 288.8708

■ 0.3625, 0.0000,
4.6633

203.2393,

■ 0.0000, 0.0000,

188.8749, 346.2669

1.9958

246.8290,
231.2114, 410.8028

■ 0.0000, 0.0000,
0.5527

■ 0.0000, 0.0000,
0.0000

■ 30.5325, 25.3233,
70.9888

■ 30.5325, 25.3233,
70.9888

■ 25.1173, 18.8051,
70.0166

■ 37.1538, 33.3823,
72.1958

■ 20.8321, 13.7264,
69.2621

■ 45.0452, 43.0690,
73.6497

■ 17.5970, 9.9782,
68.7091

■ 54.2695, 54.4674,
75.3636

■ 15.3199, 7.4344,
68.3382

■ 64.8846, 67.6546,
77.3495

■ 13.8923, 5.9445,
68.1258

■ 76.9449, 82.7031,
79.6185

■ 13.2811, 5.3544,
68.0441

■ 89.5366, 97.7505,
81.8593

■ 89.9184, 97.9473,
81.8772

Harmonies

Analogous

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



23.8779, 25.3233, 79.6302



30.5325, 25.3233, 70.9888



36.1852, 25.3233, 49.7955

Triad

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



30.5325, 25.3233, 70.9888



30.9231, 25.3233, 7.0953



13.7808, 25.3233, 27.0276

Complementary

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



30.5325, 25.3233, 70.9888



55.9376, 66.3947, 29.6067

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.



15.0134, 25.3233, 13.1966



30.5325, 25.3233, 70.9888



24.2612, 25.3233, 5.2672

Square

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



30.5325, 25.3233, 70.9888



36.4373, 25.3233, 13.7868



18.5889, 25.3233, 6.8756



14.8739, 25.3233, 48.3991

Rectangle

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



30.5325, 25.3233, 70.9888



38.2134, 25.3233, 34.7505



18.5889, 25.3233, 6.8756



13.9326, 25.3233, 21.4585

Sweetspot

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



30.5335, 25.3242, 70.9894



75.3005, 75.4511, 105.2025



44.7181, 55.9936, 76.1616



15.4716, 15.3500, 22.3974



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.



30.5335, 25.3242, 70.9894



35.9893, 27.3452, 97.9891



39.7659, 30.0837, 71.4215



12.4666, 12.6832, 16.4432



7.8395, 3.1656, 39.9362



0.5523, 0.2280, 2.5893

Inverse Universe

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



48.6093, 34.7912, 65.1257



64.4688, 42.2752, 88.1086



44.5872, 60.5434, 29.0755



13.5516, 13.2497, 16.1658



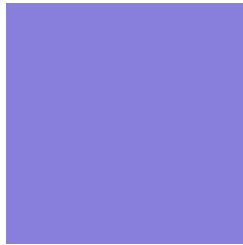
23.2344, 11.2948, 31.9440



1.5227, 0.7387, 2.1616

Previews

White Background



This preview shows how the XYZ color 30.5325, 25.3233, 70.9888 looks on a white background.

Color Contrast Check

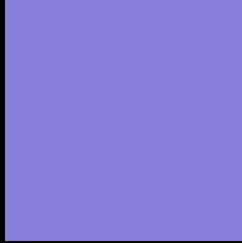
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.5325, 25.3233, 70.9888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

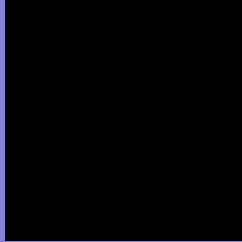
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.5325, 25.3233, 70.9888

Background



This preview shows how black text looks on a background with the XYZ color 30.5325, 25.3233, 70.9888.



This preview shows how white text looks on a background with the XYZ color 30.5325, 25.3233,

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

30.5325, 25.3233, 70.9888

Protanopia

27.9231, 25.6387, 76.8758

Deuteranopia

26.2290, 25.5664, 69.1980



Tritanopia

22.9381, 25.3098, 33.3821

Trichromacy



Original Color

30.5325, 25.3233, 70.9888

Protanomaly

28.6519, 25.4495, 74.6363

Deuteranomaly

27.4867, 25.3634, 69.7766

Tritanomaly

25.3442, 25.2183, 45.1268

Monochromacy



Original Color

30.5325, 25.3233, 70.9888

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

26.4729, 25.6815, 41.0979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5325, 25.3233, 70.9888 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(136, 126, 220)` looks like.

```
.text, #text, p{  
    color:rgb(136, 126, 220)  
}
```

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(136, 126, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 126, 220) }
```

Border

The CSS property to change the border of an element to XYZ 30.5325, 25.3233, 70.9888 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(136, 126, 220) }
```


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

```
.border{ border-color:rgb(136, 126, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 126, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 126, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 126, 220); box-shadow:4px 4px 4px 4px rgb(136, 126, 220) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5325, 25.3233, 70.9888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 126, 220) }
```

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

```
.background{ background-color: rgb(136,  
126, 220) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor