

Converting Colors

XYZ(32.7954, 29.1313, 86.3333)

Have a look what the booklet for
XYZ(32.7954, 29.1313, 86.3333)
contains.

XYZ(32.8608, 29.2630, 86.3544)	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(32.8608, 29.2630,
86.3544)**

Conversions

Conversions Part 1

Format	Color
Hex	778DF0
RGB	119, 141, 240
RGB Percent	47%, 55%, 94%
CMY	0.5333, 0.4471, 0.0588
CMYK	0.50, 0.41, 0.00, 0.06
HSL	229°, 80%, 70%
HSV	229°, 50%, 94%
XYZ	32.8608, 29.2630, 86.3544
YIQ	145.7080, -44.8910, 26.1250

Conversions

Conversions Part 2

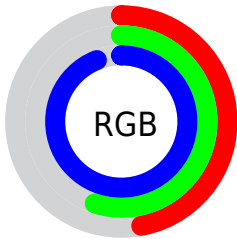
Format	Color
R _Y B	119, 138, 240
Decimal	7835120
CIE Lab	61.01, 18.97, -52.35
CIE LCh	61, 55.679, 289.924
Yxy	29.2630, 0.2213, 0.1971
Android (android.graphics.Color)	4286025200 (0xFF778DF0)
YUV	145.7080, 46.4860, -23.4229
Hunter-Lab	54.0953, 13.7651, -56.7802

Details

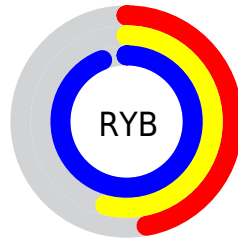
The XYZ color **32.8608, 29.2630, 86.3544** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **64.3380, 70.0024, 27.5753**, and the grayscale version is **27.0324, 28.4402, 30.9714**.

A 20% lighter version of the original color is **55.4732, 55.1507, 102.3291**, and **14.0333, 11.8006, 46.3379** is the 20% darker color. If you saturate the color by 10%, you get **27.3300, 22.4882, 85.3388**, and if you desaturate by 10%, it is **39.7388, 37.4952, 87.5815**.

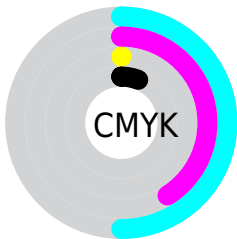
Distribution



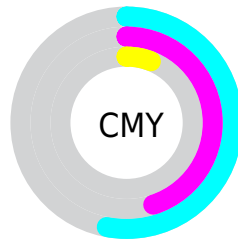
- Red (47%)
- Green (55%)
- Blue (94%)



- Red (47%)
- Yellow (54%)
- Blue (94%)



- Cyan (50%)
- Magenta (41%)
- Yellow (0%)
- Black (6%)



- Cyan (53%)
- Magenta (45%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8608, 29.2630, 86.3544 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 32.8608, 29.2630, 86.3544 by changing the saturation by 10% instead.

■ 32.8608, 29.2630,
86.3544

■ 32.8608, 29.2630,
86.3544

306.6981,
298.4538, 536.3601

■ 22.1786, 19.2799,
64.4045

■ 63.5143, 58.4947,
144.1549

■ 14.1055, 11.8727,
46.5301

■ 84.2162, 78.5120,
180.8425

■ 8.2763, 6.6570,
32.3127

■ 108.9888,
102.6429, 223.2798

■ 4.3255, 3.2486,
21.3336

138.1973,
131.2717, 271.8853

■ 1.8879, 1.2628,
13.1745

172.2071,
164.7828, 327.0775

■ 0.5698, 0.1121,
7.4167

211.3836,

■ 0.0000, 0.0000,

203.5605, 389.2751

3.6416

256.0922,
247.9895, 458.8964

■ 0.0000, 0.0000,
1.4309

■ 0.0000, 0.0000,
0.1656

■ 32.8608, 29.2630,
86.3544

■ 32.8608, 29.2630,
86.3544

■ 27.3300, 22.4882,
85.3388

■ 39.7388, 37.4952,
87.5815

■ 23.0519, 17.0805,
84.5205

■ 48.0428, 47.2615,
89.0289

■ 19.9250, 12.9441,
83.8869

■ 57.8497, 58.6366,
90.7076

■ 17.8292, 9.9684,
83.4230

■ 69.2295, 71.6896,
92.6273

■ 16.6153, 8.0653,
83.1197

■ 82.2480, 86.4854,
94.7970

■ 92.7283, 99.0713,
96.6740

Harmonies

Analogous

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



25.4362, 29.2630, 89.8628



32.8608, 29.2630, 86.3544



39.9564, 29.2630, 65.2613

Triad

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



32.8608, 29.2630, 86.3544



37.8321, 29.2630, 9.9802



16.1841, 29.2630, 25.3517

Complementary

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



32.8608, 29.2630, 86.3544



64.3380, 70.0024, 27.5753

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.



18.4199, 29.2630, 12.3967



32.8608, 29.2630, 86.3544



30.3348, 29.2630, 6.4490

Square

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



32.8608, 29.2630, 86.3544



43.1556, 29.2630, 20.0621



23.3116, 29.2630, 7.0827



16.6214, 29.2630, 47.5664

Rectangle

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



32.8608, 29.2630, 86.3544



43.1386, 29.2630, 47.6970



23.3116, 29.2630, 7.0827



16.6304, 29.2630, 19.9889

Sweetspot

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



32.8620, 29.2640, 86.3551



73.1671, 75.0856, 105.2444



51.3999, 71.2954, 77.2574



15.0755, 15.3996, 22.4278



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.



32.8620, 29.2640, 86.3551



31.4875, 25.9609, 97.9591



36.2930, 26.6867, 85.6768



15.1297, 15.6934, 19.9533



9.1643, 4.5528, 45.5236



0.8270, 0.5079, 3.8087

Inverse Universe

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



47.3408, 33.6435, 29.1988



50.0082, 32.3695, 24.6662



58.7625, 76.1654, 29.0588



15.8901, 15.8058, 16.9777



19.9513, 10.2530, 2.3942



1.6924, 0.8660, 0.3708

Previews

White Background



This preview shows how the XYZ color 32.8608, 29.2630, 86.3544 looks on a white background.

Color Contrast Check

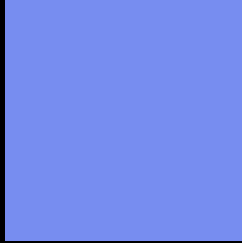
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.8608, 29.2630, 86.3544 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 32.8608, 29.2630, 86.3544

Background



This preview shows how black text looks on a background with the XYZ color 32.8608, 29.2630, 86.3544.



This preview shows how white text looks on a background with the XYZ color 32.8608, 29.2630,

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

32.8608, 29.2630, 86.3544

Protanopia

32.0637, 29.4831, 88.0053

Deuteranopia

30.3281, 29.3236, 85.7229



Tritanopia

23.8738, 29.1283, 41.9002

Trichromacy



Original Color

32.8608, 29.2630, 86.3544

Protanomaly

32.2552, 29.3753, 87.1891

Deuteranomaly

31.0722, 29.2495, 85.6694

Tritanomaly

26.6259, 29.0164, 55.8272

Monochromacy



Original Color

32.8608, 29.2630, 86.3544

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

28.3648, 28.4760, 47.1815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8608, 29.2630, 86.3544 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(119, 141, 240)` looks like.

```
.text, #text, p{  
    color:rgb(119, 141, 240)  
}
```

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(119, 141, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 141, 240) }
```

Border

The CSS property to change the border of an element to XYZ 32.8608, 29.2630, 86.3544 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(119, 141, 240) }
```


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

```
.border{ border-color:rgb(119, 141, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 141, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 141, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 141, 240);  
box-shadow:4px 4px 4px 4px rgb(119, 141,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8608, 29.2630, 86.3544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 141, 240) }
```

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

```
.background{ background-color: rgb(119,  
141, 240) }
```

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