

Converting Colors

XYZ(32.7993, 28.4151, 98.3634)

Have a look what the booklet for
XYZ(32.7993, 28.4151, 98.3634)
contains.

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Color

**XYZ(32.7320, 28.2805,
98.3413)**

Conversions

Conversions Part 1

Format	Color
Hex	678AFF
RGB	103, 138, 255
RGB Percent	40%, 54%, 100%
CMY	0.5960, 0.4588, 0.0000
CMYK	0.60, 0.46, 0.00, 0.00
HSL	226°, 100%, 70%
HSV	226°, 60%, 100%
XYZ	32.7320, 28.2805, 98.3413
YIQ	140.8730, -58.4170, 28.9670

Conversions

Conversions Part 2

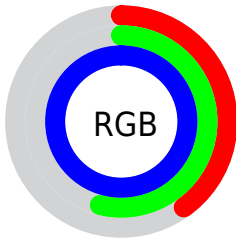
Format	Color
RYB	103, 131, 255
Decimal	6785791
CIELab	60.14, 22.27, -62.05
CIELCh	60, 65.924, 289.746
Yxy	28.2805, 0.2054, 0.1775
Android (android.graphics.Color)	4284975871 (0xFF678AFF)
YUV	140.8730, 56.2646, -33.2146
Hunter-Lab	53.1794, 16.8030, -72.4156

Details

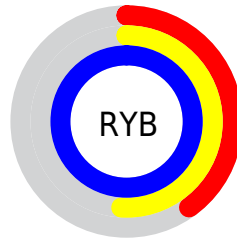
The XYZ color **32.7320, 28.2805, 98.3413** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **69.2836, 73.4294, 23.3557**, and the grayscale version is **25.0721, 26.3778, 28.7254**.

A 20% lighter version of the original color is **52.1979, 52.4809, 101.9865**, and **14.0038, 11.3581, 54.2776** is the 20% darker color. If you saturate the color by 10%, you get **27.6741, 21.8637, 97.3693**, and if you desaturate by 10%, it is **39.1926, 36.1765, 99.5248**.

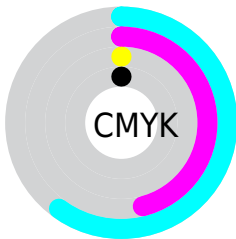
Distribution



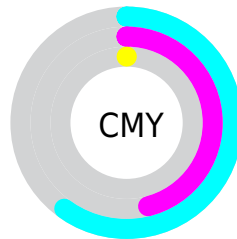
- Red (40%)
- Green (54%)
- Blue (100%)



- Red (40%)
- Yellow (51%)
- Blue (100%)



- Cyan (60%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (46%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7320, 28.2805, 98.3413 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 32.7320, 28.2805, 98.3413 by changing the saturation by 10% instead.

■ 32.7320, 28.2805,
98.3413

■ 32.7320, 28.2805,
98.3413

306.1268,
293.8048, 576.0627

■ 22.0795, 18.5372,
74.3069

■ 63.3144, 56.9320,
160.9078

■ 14.0322, 11.3364,
54.5469

■ 83.9749, 76.6089,
200.2770

■ 8.2249, 6.2936,
38.6429

■ 108.7022,
100.3659, 245.5948

■ 4.2922, 3.0244,
26.1764

137.8615,
128.5873, 297.2798

■ 1.8688, 1.1445,
16.7287

171.8183,
161.6575, 355.7506

■ 0.5586, 0.0156,
9.8813

210.9379,

■ 0.0000, 0.0000,

199.9609, 421.4256

5.2158

255.5856,
243.8819, 494.7235

■ 0.0000, 0.0000,
2.3135

■ 0.0000, 0.0000,
0.7387

■ 32.7320, 28.2805,
98.3413

■ 32.7320, 28.2805,
98.3413

■ 27.6741, 21.8637,
97.3693

■ 39.1926, 36.1765,
99.5248

■ 23.9041, 16.8253,
96.5955

■ 47.1514, 45.6377,
100.9316

■ 21.2933, 13.0548,
96.0053

■ 56.6990, 56.7463,
102.5725

■ 19.6516, 10.4045,
95.5803

■ 67.9178, 69.5777,
104.4579

■ 19.5990, 10.3181,
95.5663

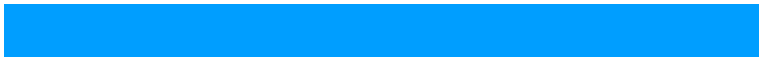
■ 80.8842, 84.2027,
106.5974

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



24.0983, 28.2805, 102.7133



32.7320, 28.2805, 98.3413



41.2336, 28.2805, 71.5470

Triad

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



32.7320, 28.2805, 98.3413



38.7637, 28.2805, 7.2240



13.8836, 28.2805, 23.2511

Complementary

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



32.7320, 28.2805, 98.3413



69.2836, 73.4294, 23.3557

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.



16.3161, 28.2805, 9.4917



32.7320, 28.2805, 98.3413



29.8675, 28.2805, 3.9859

Square

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



32.7320, 28.2805, 98.3413



45.1889, 28.2805, 17.6286



21.7703, 28.2805, 4.5162



14.3350, 28.2805, 49.2747

Rectangle

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



32.7320, 28.2805, 98.3413



45.1195, 28.2805, 49.8052



21.7703, 28.2805, 4.5162



14.3674, 28.2805, 17.3636

Sweetspot

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



32.7331, 28.2813, 98.3414



69.8788, 71.8020, 104.7839



54.2112, 79.5467, 79.8847



14.2029, 14.5126, 22.3026



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.



32.7331, 28.2813, 98.3414



26.6582, 20.5352, 97.1664



34.3223, 22.8100, 97.2015



17.3423, 18.0562, 22.8211



10.3334, 5.5763, 49.9663



1.0846, 0.6999, 4.8912

Inverse Universe

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



50.6786, 32.7971, 27.7046



46.5373, 27.0249, 18.5849



66.0772, 86.8662, 26.1183



18.1807, 18.0556, 19.5685



22.0040, 11.2909, 3.4056



2.1821, 1.1152, 0.5402

Previews

White Background



This preview shows how the XYZ color 32.7320, 28.2805, 98.3413 looks on a white background.

Color Contrast Check

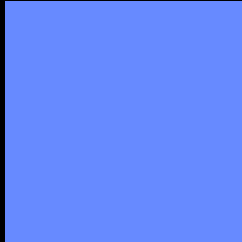
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.7320, 28.2805, 98.3413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

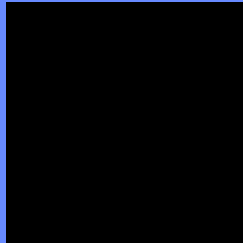
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.7320, 28.2805, 98.3413

Background



This preview shows how black text looks on a background with the XYZ color 32.7320, 28.2805, 98.3413.



This preview shows how white text looks on a background with the XYZ color 32.7320, 28.2805,

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

32.7320, 28.2805, 98.3413

Protanopia

31.7425, 28.2003, 98.3779

Deuteranopia

29.4247, 28.3797, 96.8555



Tritanopia

21.4926, 28.1400, 42.3290

Trichromacy



Original Color

32.7320, 28.2805, 98.3413

Protanomaly

32.0019, 28.1181, 98.3484

Deuteranomaly

30.3104, 28.1403, 97.6000

Tritanomaly

24.6734, 27.6920, 59.3030

Monochromacy



Original Color

32.7320, 28.2805, 98.3413

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

26.5740, 26.6456, 47.9985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7320, 28.2805, 98.3413 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(103, 138, 255)` looks like.

```
.text, #text, p{  
    color:rgb(103, 138, 255)  
}
```

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(103, 138, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 138, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.7320, 28.2805, 98.3413 is called "border". The border property can be set on classes, ids or directly on the HTML element.

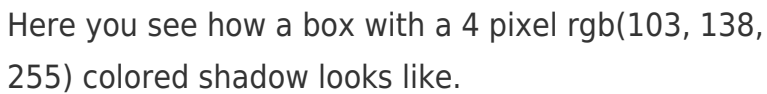
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 138, 255) }
```


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

```
.border{ border-color:rgb(103, 138, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(103, 138, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 138, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 138, 255); box-shadow:4px 4px 4px 4px rgb(103, 138, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7320, 28.2805, 98.3413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 138, 255) }
```

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

```
.background{ background-color: rgb(103,  
138, 255) }
```

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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