

Converting Colors

XYZ(32.4454, 28.3844, 98.4446)

Have a look what the booklet for
XYZ(32.4454, 28.3844, 98.4446)
contains.

XYZ(32.4282, 28.3379, 98.3683)	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(32.4282, 28.3379,
98.3683)**

Conversions

Conversions Part 1

Format	Color
Hex	638BFF
RGB	99, 139, 255
RGB Percent	39%, 55%, 100%
CMY	0.6117, 0.4549, 0.0000
CMYK	0.61, 0.45, 0.00, 0.00
HSL	225°, 100%, 69%
HSV	225°, 61%, 100%
XYZ	32.4282, 28.3379, 98.3683
YIQ	140.2640, -61.0760, 27.5960

Conversions

Conversions Part 2

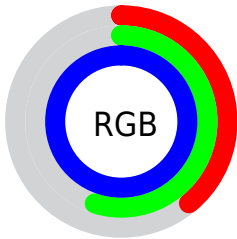
Format	Color
R _Y B	99, 131, 255
Decimal	6523903
CIE Lab	60.19, 20.96, -61.98
CIE LCh	60, 65.425, 288.688
Yxy	28.3379, 0.2038, 0.1781
Android (android.graphics.Color)	4284713983 (0xFF638BFF)
YUV	140.2640, 56.5648, -36.1885
Hunter-Lab	53.2334, 15.5786, -72.2968

Details

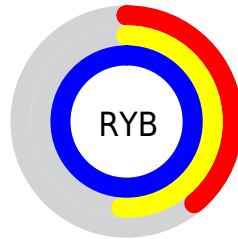
The XYZ color **32.4282, 28.3379, 98.3683** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **67.7947, 70.7654, 21.8924**, and the grayscale version is **24.8351, 26.1284, 28.4539**.

A 20% lighter version of the original color is **51.5976, 52.4963, 102.0211**, and **13.8343, 11.3952, 54.2937** is the 20% darker color. If you saturate the color by 10%, you get **27.5575, 22.0987, 97.4208**, and if you desaturate by 10%, it is **38.6565, 35.9844, 99.5160**.

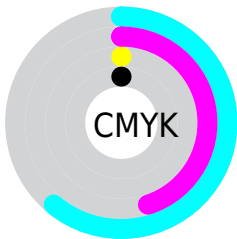
Distribution



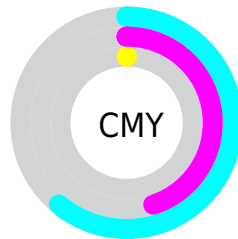
- Red (39%)
- Green (55%)
- Blue (100%)



- Red (39%)
- Yellow (51%)
- Blue (100%)



- Cyan (61%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)



- Cyan (61%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4282, 28.3379, 98.3683 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 32.4282, 28.3379, 98.3683 by changing the saturation by 10% instead.

■ 32.4282, 28.3379,
98.3683

■ 32.4282, 28.3379,
98.3683

304.7760,
294.0780, 576.1504

■ 21.8459, 18.5805,
74.3293

■ 62.8424, 57.0235,
160.9453

■ 13.8597, 11.3676,
54.5652

■ 83.4051, 76.7204,
200.3204

■ 8.1042, 6.3146,
38.6574

■ 108.0253,
100.4994, 245.6445

■ 4.2141, 3.0373,
26.1876

137.0683,
128.7448, 297.3363

■ 1.8239, 1.1513,
16.7370

170.8995,
161.8409, 355.8142

■ 0.5320, 0.0213,
9.8872

209.8843,

■ 0.0000, 0.0000,

200.1723, 421.4969

5.2196

254.3880,
244.1232, 494.8028

■ 0.0000, 0.0000,
2.3157

■ 0.0000, 0.0000,
0.7400

■ 32.4282, 28.3379,
98.3683

■ 32.4282, 28.3379,
98.3683

■ 27.5575, 22.0987,
97.4208

■ 38.6565, 35.9844,
99.5160

■ 23.9304, 17.1708,
96.6608

■ 46.3367, 45.1199,
100.8745

■ 21.4181, 13.4483,
96.0747

■ 55.5582, 55.8224,
102.4543

■ 19.9620, 11.0440,
95.6873

■ 66.4020, 68.1635,
104.2648

■ 78.9433, 82.2102,
106.3151

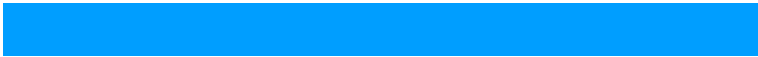
■ 93.2523, 98.0257,
108.6137

■ 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.



23.8985, 28.3379, 101.7306



32.4282, 28.3379, 98.3683



40.9247, 28.3379, 72.3922

Triad

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



32.4282, 28.3379, 98.3683



39.0199, 28.3379, 7.5661



14.0326, 28.3379, 22.6668

Complementary

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



32.4282, 28.3379, 98.3683



67.7947, 70.7654, 21.8924

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.



16.5624, 28.3379, 9.3307



32.4282, 28.3379, 98.3683



30.2169, 28.3379, 4.1326

Square

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



32.4282, 28.3379, 98.3683



45.2413, 28.3379, 18.3157



22.0989, 28.3379, 4.5475



14.3824, 28.3379, 48.1088

Rectangle

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



32.4282, 28.3379, 98.3683



44.8859, 28.3379, 50.8265



22.0989, 28.3379, 4.5475



14.5490, 28.3379, 16.9496

Sweetspot

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



32.4293, 28.3387, 98.3685



70.1944, 72.4330, 104.8891



52.9679, 78.9977, 75.6752



14.2787, 14.6642, 22.3279



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.



32.4293, 28.3387, 98.3685



26.8055, 21.1035, 97.2683



32.5698, 21.3299, 97.0082



17.3815, 18.1346, 22.8342



10.5312, 5.9720, 50.0322



1.1087, 0.7482, 4.8992

Inverse Universe

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



50.3629, 32.0494, 27.9583



46.5449, 26.7722, 19.4133



67.1063, 87.4194, 25.1432



18.2005, 18.0635, 19.6727



22.1039, 11.3308, 3.9314



2.1943, 1.1201, 0.6044

Previews

White Background



This preview shows how the XYZ color 32.4282, 28.3379, 98.3683 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 32.4282, 28.3379, 98.3683 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 32.4282, 28.3379, 98.3683

Background



This preview shows how black text looks on a background with the XYZ color 32.4282, 28.3379, 98.3683.



This preview shows how white text looks on a background with the XYZ color 32.4282, 28.3379,

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

32.4282, 28.3379, 98.3683

Protanopia

31.8893, 28.4939, 98.4269

Deuteranopia

29.4247, 28.3797, 96.8555



Tritanopia

21.3225, 28.2935, 42.8655

Trichromacy



Original Color

32.4282, 28.3379, 98.3683

Protanomaly

32.0442, 28.3559, 98.3921

Deuteranomaly

30.1661, 28.0659, 97.5933

Tritanomaly

24.4749, 27.8140, 59.9558

Monochromacy



Original Color

32.4282, 28.3379, 98.3683

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

26.2790, 26.4935, 47.9847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4282, 28.3379, 98.3683 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(99, 139, 255)` looks like.

```
.text, #text, p{  
    color:rgb(99, 139, 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(99, 139, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 139, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.4282, 28.3379, 98.3683 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(99, 139, 255) }
```


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

```
.border{ border-color:rgb(99, 139, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 139, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 139, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 139, 255);  
box-shadow:4px 4px 4px 4px rgb(99, 139,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4282, 28.3379, 98.3683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 139, 255) }
```

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

```
.background{ background-color: rgb(99, 139,  
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](#).

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