

Converting Colors

XYZ(33.2131, 29.4120, 98.5343)

Have a look what the booklet for
XYZ(33.2131, 29.4120, 98.5343)
contains.

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Color

**XYZ(33.2025, 29.3908,
98.5308)**

Conversions

Conversions Part 1

Format	Color
Hex	668EFF
RGB	102, 142, 255
RGB Percent	40%, 56%, 100%
CMY	0.6000, 0.4431, 0.0000
CMYK	0.60, 0.44, 0.00, 0.00
HSL	224°, 100%, 70%
HSV	224°, 60%, 100%
XYZ	33.2025, 29.3908, 98.5308
YIQ	142.9220, -60.1130, 26.6630

Conversions

Conversions Part 2

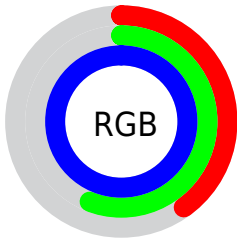
Format	Color
RYB	102, 134, 255
Decimal	6721279
CIELab	61.12, 19.70, -60.48
CIELCh	61, 63.604, 288.046
Yxy	29.3908, 0.2061, 0.1824
Android (android.graphics.Color)	4284911359 (0xFF668EFF)
YUV	142.9220, 55.2545, -35.8886
Hunter-Lab	54.2133, 14.4477, -69.8083

Details

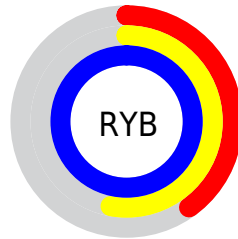
The XYZ color **33.2025, 29.3908, 98.5308** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **67.9408, 70.8237, 22.6619**, and the grayscale version is **25.8825, 27.2304, 29.6539**.

A 20% lighter version of the original color is **52.8749, 54.1427, 102.2715**, and **14.1937, 11.8342, 54.3595** is the 20% darker color. If you saturate the color by 10%, you get **28.1748, 22.9849, 97.5593**, and if you desaturate by 10%, it is **39.5944, 37.2034, 99.7019**.

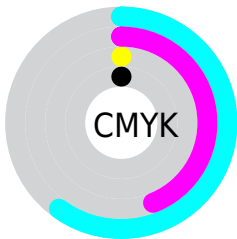
Distribution



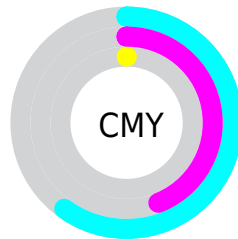
- Red (40%)
- Green (56%)
- Blue (100%)



- Red (40%)
- Yellow (53%)
- Blue (100%)



- Cyan (60%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2025, 29.3908, 98.5308 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 33.2025, 29.3908, 98.5308 by changing the saturation by 10% instead.

■ 33.2025, 29.3908,
98.5308

■ 33.2025, 29.3908,
98.5308

308.2101,
299.0544, 576.6783

■ 22.4416, 19.3767,
74.4641

■ 64.0441, 58.6974,
161.1709

■ 14.3002, 11.9428,
54.6749

■ 84.8555, 78.7587,
200.5814

■ 8.4128, 6.7047,
38.7446

■ 109.7478,
102.9378, 245.9436

■ 4.4142, 3.2781,
26.2548

139.0864,
131.6191, 297.6759

■ 1.9390, 1.2786,
16.7869

173.2365,
165.1870, 356.1971

■ 0.5994, 0.1245,
9.9223

212.5636,

■ 0.0000, 0.0000,

204.0259, 421.9255

5.2426

257.4330,
248.5203, 495.2797

■ 0.0000, 0.0000,
2.3291

■ 0.0000, 0.0000,
0.7474

■ 33.2025, 29.3908,
98.5308

■ 33.2025, 29.3908,
98.5308

■ 28.1748, 22.9849,
97.5593

■ 39.5944, 37.2034,
99.7019

■ 24.3996, 17.8919,
96.7752

■ 47.4430, 46.5024,
101.0831

■ 21.7515, 14.0091,
96.1653

■ 56.8363, 57.3640,
102.6845

■ 20.0374, 11.1947,
95.7124

■ 67.8540, 69.8585,
104.5155

■ 20.0370, 11.1939,
95.7123

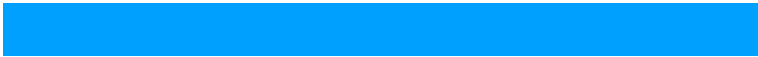
■ 80.5704, 84.0516,
106.5848

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.



24.7439, 29.3908, 101.2286



33.2025, 29.3908, 98.5308



41.6367, 29.3908, 73.5643

Triad

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



33.2025, 29.3908, 98.5308



40.0840, 29.3908, 8.5585



15.0015, 29.3908, 23.4016

Complementary

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



33.2025, 29.3908, 98.5308



67.9408, 70.8237, 22.6619

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.



17.6268, 29.3908, 10.0725



33.2025, 29.3908, 98.5308



31.3894, 29.3908, 4.8199

Square

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



33.2025, 29.3908, 98.5308



46.1221, 29.3908, 19.7797



23.2565, 29.3908, 5.1864



15.2948, 29.3908, 48.4393

Rectangle

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



33.2025, 29.3908, 98.5308



45.6018, 29.3908, 52.4224



23.2565, 29.3908, 5.1864



15.5464, 29.3908, 17.7207

Sweetspot

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



33.2036, 29.3917, 98.5309



70.2553, 72.5549, 104.9094



53.4038, 79.2106, 76.2283



14.2934, 14.6935, 22.3327



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.



33.2036, 29.3917, 98.5309



27.3219, 21.8626, 97.3876



33.2348, 22.1026, 97.1223



17.3890, 18.1497, 22.8367



10.5719, 6.0533, 50.0458



1.1136, 0.7579, 4.9009

Inverse Universe

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



50.8748, 32.7174, 29.2254



46.8723, 27.1589, 20.3491



67.4630, 87.5864, 25.9226



18.2043, 18.0650, 19.6928



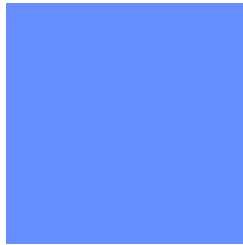
22.1244, 11.3390, 4.0396



2.1967, 1.1211, 0.6173

Previews

White Background



This preview shows how the XYZ color 33.2025, 29.3908, 98.5308 looks on a white background.

Color Contrast Check

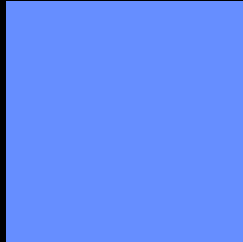
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.2025, 29.3908, 98.5308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

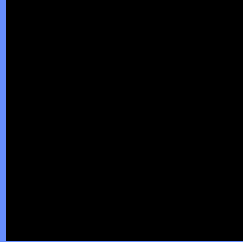
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.2025, 29.3908, 98.5308

Background



This preview shows how black text looks on a background with the XYZ color 33.2025, 29.3908, 98.5308.



This preview shows how white text looks on a background with the XYZ color 33.2025, 29.3908,

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

33.2025, 29.3908, 98.5308

Protanopia

32.8022, 29.4063, 98.5549

Deuteranopia

30.4339, 29.3616, 96.9918



Tritanopia

22.2936, 29.2826, 44.0123

Trichromacy



Original Color

33.2025, 29.3908, 98.5308

Protanomaly

33.0181, 29.5176, 98.5650

Deuteranomaly

31.3102, 29.3332, 97.7776

Tritanomaly

25.3126, 28.7140, 60.7081

Monochromacy



Original Color

33.2025, 29.3908, 98.5308

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

27.3763, 27.6948, 49.2501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2025, 29.3908, 98.5308 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(102, 142, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 142, 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(102, 142, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 142, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.2025, 29.3908, 98.5308 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(102, 142, 255) }
```


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

```
.border{ border-color:rgb(102, 142, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 142, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 142, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 142, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 142,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2025, 29.3908, 98.5308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 142, 255) }
```

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

```
.background{ background-color: rgb(102,  
142, 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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