

Converting Colors

XYZ(29.8544, 28.7964, 98.5925)

Have a look what the booklet for
XYZ(29.8544, 28.7964, 98.5925)
contains.

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Color

**XYZ(29.8490, 28.7912,
98.5918)**

Conversions

Conversions Part 1

Format	Color
Hex	3393FF
RGB	51, 147, 255
RGB Percent	20%, 58%, 100%
CMY	0.7999, 0.4235, 0.0000
CMYK	0.80, 0.42, 0.00, 0.00
HSL	212°, 100%, 60%
HSV	212°, 80%, 100%
XYZ	29.8490, 28.7912, 98.5918
YIQ	130.6080, -91.8840, 13.2360

Conversions

Conversions Part 2

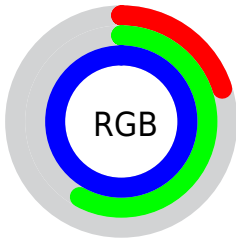
Format	Color
R _Y B	51, 116, 255
Decimal	3380223
CIE Lab	60.60, 9.70, -61.43
CIE LCh	61, 62.187, 278.975
Yxy	28.7912, 0.1898, 0.1831
Android (android.graphics.Color)	4281570303 (0xFF3393FF)
YUV	130.6080, 61.3253, -69.8162
Hunter-Lab	53.6574, 5.3970, -71.3810

Details

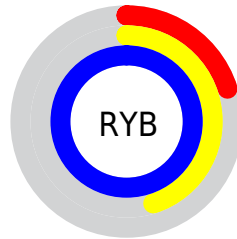
The XYZ color **29.8490, 28.7912, 98.5918** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **54.2395, 46.3022, 9.2128**, and the grayscale version is **21.2484, 22.3550, 24.3446**.

A 20% lighter version of the original color is **47.6064, 53.1177, 102.3514**, and **14.4677, 12.6266, 55.1007** is the 20% darker color. If you saturate the color by 10%, you get **26.9199, 24.3455, 97.8881**, and if you desaturate by 10%, it is **33.7300, 34.0939, 99.4108**.

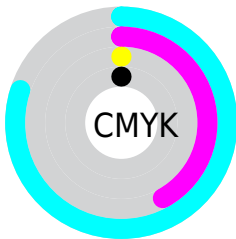
Distribution



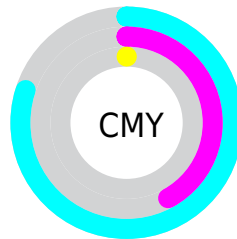
- Red (20%)
- Green (58%)
- Blue (100%)



- Red (20%)
- Yellow (45%)
- Blue (100%)



- Cyan (80%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8490, 28.7912, 98.5918 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 29.8490, 28.7912, 98.5918 by changing the saturation by 10% instead.

■ 29.8490, 28.7912,
98.5918

■ 29.8490, 28.7912,
98.5918

293.1224,
296.2285, 576.8764

■ 19.8715, 18.9229,
74.5147

■ 58.8116, 57.7452,
161.2556

■ 12.4094, 11.6146,
54.7161

■ 78.5274, 77.5997,
200.6794

■ 7.0973, 6.4818,
38.7774

■ 102.2199,
101.5517, 246.0558

■ 3.5699, 3.1402,
26.2801

■ 130.2547,
129.9856, 297.8034

■ 1.4618, 1.2054,
16.8056

162.9970,
163.2859, 356.3407

■ 0.2996, 0.0661,
9.9355

200.8121,

■ 0.0000, 0.0000,

201.8369, 422.0863

5.2512

244.0655,
246.0229, 495.4587

■ 0.0000, 0.0000,
2.3341

■ 0.0000, 0.0000,
0.7502

■ 29.8490, 28.7912,
98.5918

■ 29.8490, 28.7912,
98.5918

■ 26.9199, 24.3455,
97.8881

■ 33.7300, 34.0939,
99.4108

■ 24.7665, 20.6527,
97.2888

■ 38.6685, 40.3193,
100.3521

■ 24.7650, 20.6499,
97.2883

■ 44.7577, 47.5272,
101.4224

■ 52.0787, 55.7703,
102.6276

■ 60.7048, 65.0968,
103.9732

■ 70.7031, 75.5516,
105.4642

■ 82.1357, 87.1764,
107.1055

■ 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.



22.1838, 28.7912, 93.5164



29.8490, 28.7912, 98.5918



38.2889, 28.7912, 79.9183

Triad

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



29.8490, 28.7912, 98.5918



41.2327, 28.7912, 10.9297



15.3205, 28.7912, 17.9933

Complementary

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



29.8490, 28.7912, 98.5918



54.2395, 46.3022, 9.2128

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.



18.7460, 28.7912, 7.9860



29.8490, 28.7912, 98.5918



33.2963, 28.7912, 5.5190

Square

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



29.8490, 28.7912, 98.5918



45.6568, 28.7912, 24.9353



25.0231, 28.7912, 4.7972



14.7568, 28.7912, 38.7772

Rectangle

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



29.8490, 28.7912, 98.5918



42.8700, 28.7912, 60.1618



25.0231, 28.7912, 4.7972



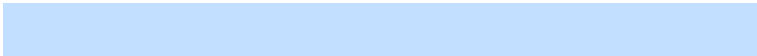
16.1380, 28.7912, 13.6151

Sweetspot

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



29.8501, 28.7920, 98.5919



66.5270, 71.2231, 104.8488



43.1618, 74.6385, 43.7666



13.4856, 14.4544, 22.3292



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.



29.8501, 28.7920, 98.5919



25.5605, 22.0515, 97.5169



20.7787, 10.3854, 95.5172



17.7078, 18.7872, 22.9429



13.0869, 11.0833, 50.8841



1.3825, 1.2957, 4.9905

Inverse Universe

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



47.6912, 25.7360, 30.0580



45.0772, 22.9720, 21.5904



76.3583, 92.3801, 16.9410



18.3652, 18.1294, 20.5401



23.3939, 11.8468, 10.7244



2.3324, 1.1753, 1.3320

Previews

White Background



This preview shows how the XYZ color 29.8490, 28.7912, 98.5918 looks on a white background.

Color Contrast Check

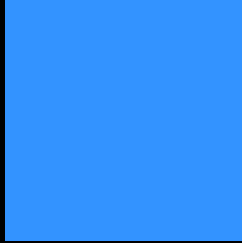
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8490, 28.7912, 98.5918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

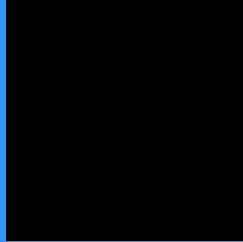
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

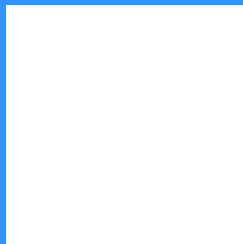
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8490, 28.7912, 98.5918

Background



This preview shows how black text looks on a background with the XYZ color 29.8490, 28.7912, 98.5918.



This preview shows how white text looks on a background with the XYZ color 29.8490, 28.7912,

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

29.8490, 28.7912, 98.5918

Protanopia

31.7100, 28.4933, 94.2709

Deuteranopia

29.7991, 28.7655, 98.5895



Tritanopia

20.2877, 28.5069, 43.9683

Trichromacy



Original Color

29.8490, 28.7912, 98.5918

Protanomaly

30.7014, 28.3787, 95.9550

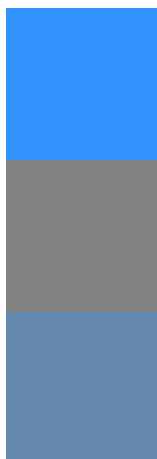
Deuteranomaly

29.7991, 28.7655, 98.5895

Tritanomaly

22.9365, 28.2272, 60.7394

Monochromacy



Original Color

29.8490, 28.7912, 98.5918

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.2616, 23.8507, 44.5046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8490, 28.7912, 98.5918 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(51, 147, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 147, 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(51, 147, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 147, 255) }
```

Border

The CSS property to change the border of an element to XYZ 29.8490, 28.7912, 98.5918 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(51, 147, 255) }
```


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

```
.border{ border-color:rgb(51, 147, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 147, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 147, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 147, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 147,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8490, 28.7912, 98.5918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 147, 255) }
```

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

```
.background{ background-color: rgb(51, 147,  
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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