

Converting Colors

XYZ(31.7492, 30.1345, 98.7509)

Have a look what the booklet for
XYZ(31.7492, 30.1345, 98.7509)
contains.

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Color

**XYZ(31.8580, 30.2927,
98.7757)**

Conversions

Conversions Part 1

Format	Color
Hex	4D95FF
RGB	77, 149, 255
RGB Percent	30%, 58%, 100%
CMY	0.6980, 0.4157, 0.0000
CMYK	0.70, 0.42, 0.00, 0.00
HSL	216°, 100%, 65%
HSV	216°, 70%, 100%
XYZ	31.8580, 30.2927, 98.7757
YIQ	139.5560, -76.9380, 17.7020

Conversions

Conversions Part 2

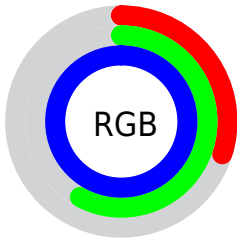
Format	Color
RYB	77, 128, 255
Decimal	5084671
CIELab	61.91, 11.52, -59.29
CIELCh	62, 60.397, 280.994
Yxy	30.2927, 0.1980, 0.1882
Android (android.graphics.Color)	4283274751 (0xFF4D95FF)
YUV	139.5560, 56.9139, -54.8616
Hunter-Lab	55.0388, 7.0029, -67.8780

Details

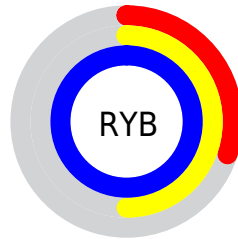
The XYZ color **31.8580, 30.2927, 98.7757** is a light color, and the websafe version is hex **6699FF**. The color can be described as light washed azure. A complement of this color would be **59.5154, 55.6669, 14.6312**, and the grayscale version is **24.5650, 25.8443, 28.1444**.

A 20% lighter version of the original color is **50.9075, 55.8612, 102.7069**, and **14.6549, 13.0009, 55.1631** is the 20% darker color. If you saturate the color by 10%, you get **27.9407, 24.9363, 97.9483**, and if you desaturate by 10%, it is **36.8967, 36.6929, 99.7455**.

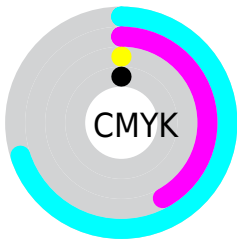
Distribution



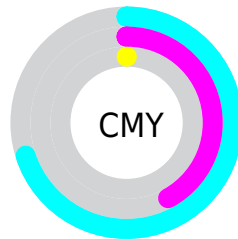
- Red (30%)
- Green (58%)
- Blue (100%)



- Red (30%)
- Yellow (50%)
- Blue (100%)



- Cyan (70%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)



- Cyan (70%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8580, 30.2927, 98.7757 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 31.8580, 30.2927, 98.7757 by changing the saturation by 10% instead.

■ 31.8580, 30.2927,
98.7757

■ 31.8580, 30.2927,
98.7757

302.2287,
303.2664, 577.4734

■ 21.4081, 20.0609,
74.6673

■ 61.9551, 60.1248,
161.5109

■ 13.5368, 12.4393,
54.8403

■ 82.3330, 80.4938,
200.9747

■ 7.8787, 7.0436,
38.8761

■ 106.7510,
105.0106, 246.3941

■ 4.0686, 3.4894,
26.3563

■ 135.5743,
134.0597, 298.1876

■ 1.7410, 1.3922,
16.8622

169.1684,
168.0255, 356.7737

■ 0.4817, 0.2110,
9.9754

207.8986,

■ 0.0000, 0.0000,

207.2922, 422.5711

5.2772

252.1302,
252.2444, 495.9981

■ 0.0000, 0.0000,
2.3493

■ 0.0000, 0.0000,
0.7586

■ 31.8580, 30.2927,
98.7757

■ 31.8580, 30.2927,
98.7757

■ 27.9407, 24.9363,
97.9483

■ 36.8967, 36.6929,
99.7455

■ 25.0291, 20.5453,
97.2542

■ 43.1489, 44.2003,
100.8651

■ 22.9508, 17.0122,
96.6818

■ 50.7002, 52.8754,
102.1415

■ 22.9141, 16.9481,
96.6714

■ 59.6269, 62.7729,
103.5814

■ 69.9990, 73.9434,
105.1909

■ 81.8816, 86.4347,
106.9757

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.



24.0235, 30.2927, 95.4708



31.8580, 30.2927, 98.7757



40.2333, 30.2927, 79.2527

Triad

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



31.8580, 30.2927, 98.7757



42.1822, 30.2927, 11.5593



16.4597, 30.2927, 20.5121

Complementary

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



31.8580, 30.2927, 98.7757



59.5154, 55.6669, 14.6312

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.



19.7562, 30.2927, 9.5092



31.8580, 30.2927, 98.7757



34.1538, 30.2927, 6.2659

Square

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



31.8580, 30.2927, 98.7757



46.8941, 30.2927, 25.2049



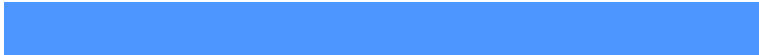
25.9299, 30.2927, 5.7492



16.0758, 30.2927, 42.2176

Rectangle

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



31.8580, 30.2927, 98.7757



44.6288, 30.2927, 59.6040



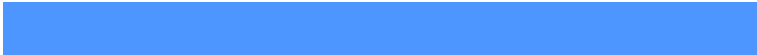
25.9299, 30.2927, 5.7492



17.2303, 30.2927, 15.7711

Sweetspot

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



31.8591, 30.2936, 98.7758



68.6754, 72.5336, 104.9886



47.1453, 76.4278, 55.8962



14.0652, 14.8465, 22.3743



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.



31.8591, 30.2936, 98.7758



26.6024, 22.9791, 97.6410



25.1027, 14.7966, 96.1407



17.6061, 18.5839, 22.9090



12.1102, 9.1300, 50.5586



1.2830, 1.0966, 4.9573

Inverse Universe

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



49.3196, 28.7393, 31.3822



45.8853, 24.3758, 22.5147



73.0921, 90.6106, 20.6605



18.3138, 18.1088, 20.2698



22.9009, 11.6496, 8.1285



2.2822, 1.1552, 1.0674

Previews

White Background



This preview shows how the XYZ color 31.8580, 30.2927, 98.7757 looks on a white background.

Color Contrast Check

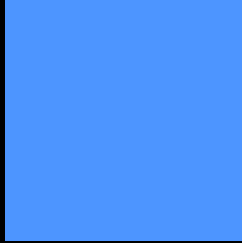
Large Text (above 18pt) WCAG AA × Fail

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 31.8580, 30.2927, 98.7757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

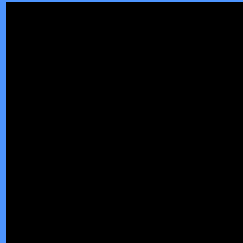
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

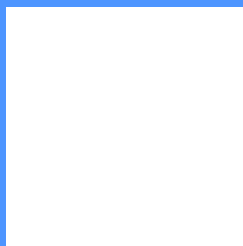
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8580, 30.2927, 98.7757

Background



This preview shows how black text looks on a background with the XYZ color 31.8580, 30.2927, 98.7757.



This preview shows how white text looks on a background with the XYZ color 31.8580, 30.2927,

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

31.8580, 30.2927, 98.7757

Protanopia

33.1315, 30.0994, 95.3303

Deuteranopia

31.4106, 30.2979, 98.8003



Tritanopia

21.4910, 30.1246, 46.8014

Trichromacy



Original Color

31.8580, 30.2927, 98.7757

Protanomaly

32.4657, 29.9657, 96.1683

Deuteranomaly

31.6288, 30.4104, 98.8105

Tritanomaly

24.0176, 29.4994, 62.8206

Monochromacy



Original Color

31.8580, 30.2927, 98.7757

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

25.6021, 26.8042, 48.0803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8580, 30.2927, 98.7757 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(77, 149, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 149, 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(77, 149, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 149, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.8580, 30.2927, 98.7757 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(77, 149, 255) }
```


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

```
.border{ border-color:rgb(77, 149, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 149, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 149, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 149, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 149,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8580, 30.2927, 98.7757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 149, 255) }
```

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

```
.background{ background-color: rgb(77, 149,  
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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