

Converting Colors

XYZ(30.5529, 29.1105, 98.6163)

Have a look what the booklet for
XYZ(30.5529, 29.1105, 98.6163)
contains.

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Color

**XYZ(30.5981, 29.1774,
98.6269)**

Conversions

Conversions Part 1

Format	Color
Hex	4093FF
RGB	64, 147, 255
RGB Percent	25%, 58%, 100%
CMY	0.7490, 0.4235, 0.0000
CMYK	0.75, 0.42, 0.00, 0.00
HSL	214°, 100%, 63%
HSV	214°, 75%, 100%
XYZ	30.5981, 29.1774, 98.6269
YIQ	134.4950, -84.1360, 15.9920

Conversions

Conversions Part 2

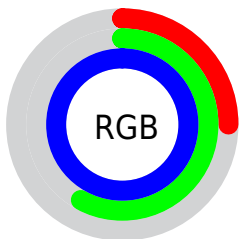
Format	Color
R _{YB}	64, 122, 255
Decimal	4232191
CIE _{Lab}	60.94, 11.05, -60.86
CIE _{LCh}	61, 61.856, 280.292
Yxy	29.1774, 0.1932, 0.1842
Android (android.graphics.Color)	4282422271 (0xFF4093FF)
YUV	134.4950, 59.4090, -61.8241
Hunter-Lab	54.0161, 6.5854, -70.4451

Details

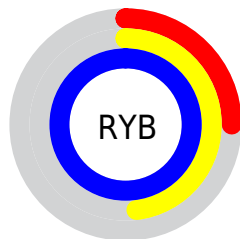
The XYZ color **30.5981, 29.1774, 98.6269** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **56.9211, 51.1408, 11.7238**, and the grayscale version is **22.6542, 23.8340, 25.9552**.

A 20% lighter version of the original color is **48.6960, 53.6794, 102.4024**, and **14.4677, 12.6266, 55.1007** is the 20% darker color. If you saturate the color by 10%, you get **27.1987, 24.3025, 97.8651**, and if you desaturate by 10%, it is **35.0380, 35.0065, 99.5180**.

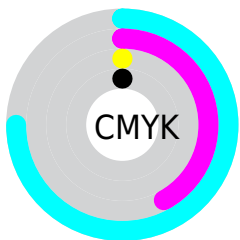
Distribution



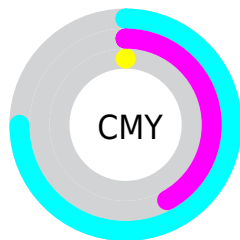
- Red (25%)
- Green (58%)
- Blue (100%)



- Red (25%)
- Yellow (48%)
- Blue (100%)



- Cyan (75%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)



- Cyan (75%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5981, 29.1774, 98.6269 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 30.5981, 29.1774, 98.6269 by changing the saturation by 10% instead.

■ 30.5981, 29.1774,
98.6269

■ 30.5981, 29.1774,
98.6269

296.5425,
298.0511, 576.9904

■ 20.4433, 19.2151,
74.5438

■ 59.9869, 58.3588,
161.3043

■ 12.8278, 11.8258,
54.7398

■ 79.9517, 78.3467,
200.7358

■ 7.3863, 6.6252,
38.7962

■ 103.9171,
102.4452, 246.1204

■ 3.7533, 3.2288,
26.2946

■ 132.2487,
131.0387, 297.8768

■ 1.5635, 1.2523,
16.8164

165.3116,
164.5117, 356.4234

■ 0.3685, 0.1038,
9.9431

203.4713,

■ 0.0000, 0.0000,

203.2485, 422.1789

5.2562

247.0932,
247.6335, 495.5617

■ 0.0000, 0.0000,
2.3370

■ 0.0000, 0.0000,
0.7518

■ 30.5981, 29.1774,
98.6269

■ 30.5981, 29.1774,
98.6269

■ 27.1987, 24.3025,
97.8651

■ 35.0380, 35.0065,
99.5180

■ 24.7136, 20.3006,
97.2236

■ 40.6163, 41.8541,
100.5457

■ 23.7128, 18.5456,
96.9376

■ 47.4222, 49.7802,
101.7169

■ 55.5340, 58.8385,
103.0378

■ 65.0233, 69.0786,
104.5142

■ 75.9561, 80.5468,
106.1515

■ 88.3940, 93.2864,
107.9550

■ 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.



22.8214, 29.1774, 94.6627



30.5981, 29.1774, 98.6269



39.0265, 29.1774, 79.1548

Triad

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



30.5981, 29.1774, 98.6269



41.3326, 29.1774, 10.8247



15.5384, 29.1774, 19.0151

Complementary

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



30.5981, 29.1774, 98.6269



56.9211, 51.1408, 11.7238

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.



18.8589, 29.1774, 8.4979



30.5981, 29.1774, 98.6269



33.3015, 29.1774, 5.6095

Square

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



30.5981, 29.1774, 98.6269



45.9740, 29.1774, 24.4723



25.0512, 29.1774, 5.0359



15.0946, 29.1774, 40.3891

Rectangle

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



30.5981, 29.1774, 98.6269



43.5120, 29.1774, 59.2760



25.0512, 29.1774, 5.0359



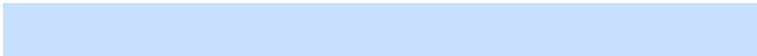
16.3196, 29.1774, 14.4420

Sweetspot

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



30.5992, 29.1782, 98.6270



68.0382, 72.2716, 104.9716



45.0421, 75.4772, 49.7587



13.9580, 14.8285, 22.3765



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.



30.5992, 29.1782, 98.6270



25.8250, 22.1564, 97.5232



22.6749, 12.3271, 95.7920



17.6523, 18.6761, 22.9244



12.5325, 9.9746, 50.6993



1.3265, 1.1837, 4.9718

Inverse Universe

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



48.3408, 27.0351, 30.2746



45.3142, 23.4632, 21.6167



74.4995, 91.3840, 18.5651



18.3371, 18.1182, 20.3924



23.1140, 11.7349, 9.2509



2.3042, 1.1640, 1.1831

Previews

White Background



This preview shows how the XYZ color 30.5981, 29.1774, 98.6269 looks on a white background.

Color Contrast Check

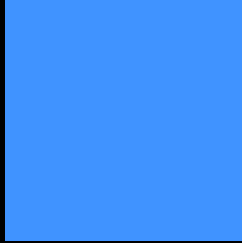
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.5981, 29.1774, 98.6269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

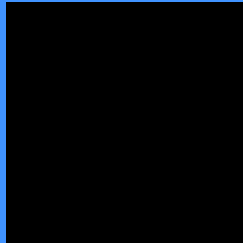
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

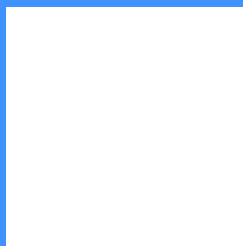
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.5981, 29.1774, 98.6269

Background



This preview shows how black text looks on a background with the XYZ color 30.5981, 29.1774, 98.6269.



This preview shows how white text looks on a background with the XYZ color 30.5981, 29.1774,

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

30.5981, 29.1774, 98.6269

Protanopia

32.2312, 28.9637, 95.1586

Deuteranopia

30.2708, 29.2406, 98.6563



Tritanopia

20.5603, 28.8967, 44.5384

Trichromacy



Original Color

30.5981, 29.1774, 98.6269

Protanomaly

31.3817, 28.9532, 96.0300

Deuteranomaly

30.4435, 29.3296, 98.6644

Tritanomaly

23.1898, 28.6079, 60.7996

Monochromacy



Original Color

30.5981, 29.1774, 98.6269

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.6760, 24.9711, 46.2199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5981, 29.1774, 98.6269 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(64, 147, 255)` looks like.

```
.text, #text, p{  
    color:rgb(64, 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(64, 147, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 147, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.5981, 29.1774, 98.6269 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(64, 147, 255) }
```


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

```
.border{ border-color:rgb(64, 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(64, 147, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 147, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 147, 255);  
box-shadow:4px 4px 4px 4px rgb(64, 147,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5981, 29.1774, 98.6269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 147, 255) }
```

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

```
.background{ background-color: rgb(64, 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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