

Converting Colors

XYZ(30.2268, 29.5469, 98.7177)

Have a look what the booklet for
XYZ(30.2268, 29.5469, 98.7177)
contains.

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Color

**XYZ(30.1627, 29.4187,
98.6964)**

Conversions

Conversions Part 1

Format	Color
Hex	3395FF
RGB	51, 149, 255
RGB Percent	20%, 58%, 100%
CMY	0.7999, 0.4157, 0.0000
CMYK	0.80, 0.42, 0.00, 0.00
HSL	211°, 100%, 60%
HSV	211°, 80%, 100%
XYZ	30.1627, 29.4187, 98.6964
YIQ	131.7820, -92.4340, 12.1900

Conversions

Conversions Part 2

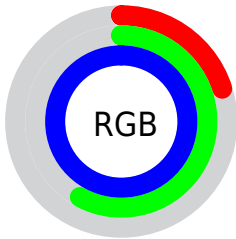
Format	Color
R_{YB}	51, 117, 255
Decimal	3380735
CIE _{Lab}	61.15, 8.51, -60.54
CIE _{LCh}	61, 61.136, 277.998
Yxy	29.4187, 0.1906, 0.1859
Android (android.graphics.Color)	4281570815 (0xFF3395FF)
YUV	131.7820, 60.7465, -70.8458
Hunter-Lab	54.2390, 4.3469, -69.9202

Details

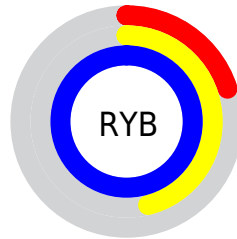
The XYZ color **30.1627, 29.4187, 98.6964** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **53.8980, 45.6192, 9.0988**, and the grayscale version is **21.6683, 22.7967, 24.8257**.

A 20% lighter version of the original color is **48.3080, 54.5211, 102.5853**, and **14.6549, 13.0009, 55.1631** is the 20% darker color. If you saturate the color by 10%, you get **27.2328, 24.9713, 97.9924**, and if you desaturate by 10%, it is **34.0367, 34.7074, 99.5130**.

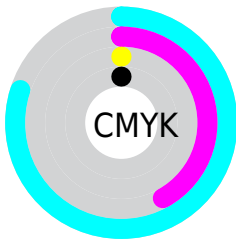
Distribution



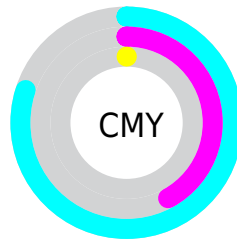
- Red (20%)
- Green (58%)
- Blue (100%)



- Red (20%)
- Yellow (46%)
- 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 30.1627, 29.4187, 98.6964 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 30.1627, 29.4187, 98.6964 by changing the saturation by 10% instead.

■ 30.1627, 29.4187,
98.6964

■ 30.1627, 29.4187,
98.6964

294.5583,
299.1854, 577.2160

■ 20.1108, 19.3978,
74.6015

■ 59.3042, 58.7417,
161.4008

■ 12.5843, 11.9581,
54.7867

■ 79.1246, 78.8125,
200.8474

■ 7.2180, 6.7151,
38.8335

■ 102.9318,
103.0021, 246.2482

■ 3.6463, 3.2846,
26.3234

■ 131.0913,
131.6949, 298.0220

■ 1.5041, 1.2821,
16.8378

163.9683,
165.2752, 356.5870

■ 0.3286, 0.1272,
9.9582

201.9282,

■ 0.0000, 0.0000,

204.1274, 422.3621

5.2660

245.3365,
248.6361, 495.7655

■ 0.0000, 0.0000,
2.3427

■ 0.0000, 0.0000,
0.7550

■ 30.1627, 29.4187,
98.6964

■ 30.1627, 29.4187,
98.6964

■ 27.2328, 24.9713,
97.9924

■ 34.0367, 34.7074,
99.5130

■ 25.0712, 21.2620,
97.3903

■ 38.9598, 40.9021,
100.4492

■ 25.0697, 21.2595,
97.3899

■ 45.0247, 48.0616,
101.5115

■ 52.3123, 56.2378,
102.7056

■ 60.8952, 65.4781,
104.0368

■ 70.8403, 75.8266,
105.5101

■ 82.2093, 87.3243,
107.1301

■ 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.



22.5727, 29.4187, 92.9118



30.1627, 29.4187, 98.6964



38.5709, 29.4187, 80.9651

Triad

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



30.1627, 29.4187, 98.6964



41.9602, 29.4187, 11.8093



15.9617, 29.4187, 18.1709

Complementary

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



30.1627, 29.4187, 98.6964



53.8980, 45.6192, 9.0988

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.



19.5014, 29.4187, 8.3110



30.1627, 29.4187, 98.6964



34.1463, 29.4187, 6.0534

Square

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



30.1627, 29.4187, 98.6964



46.1825, 29.4187, 26.2713



25.8703, 29.4187, 5.1812



15.3014, 29.4187, 38.5786

Rectangle

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



30.1627, 29.4187, 98.6964



43.1847, 29.4187, 61.6023



25.8703, 29.4187, 5.1812



16.8164, 29.4187, 13.8639

Sweetspot

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



30.1638, 29.4195, 98.6965



66.6873, 71.5438, 104.9023



43.1617, 74.6385, 43.7663



13.5239, 14.5310, 22.3419



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.



30.1638, 29.4195, 98.6965



25.8694, 22.6693, 97.6199



20.7785, 10.3852, 95.5171



17.7230, 18.8175, 22.9480



13.2471, 11.4038, 50.9375



1.3985, 1.3277, 4.9958

Inverse Universe

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



47.8496, 25.7993, 30.8920



45.2331, 23.0344, 22.4115



76.3582, 92.3801, 16.9408



18.3728, 18.1324, 20.5804



23.4747, 11.8792, 11.1504



2.3405, 1.1786, 1.3745

Previews

White Background



This preview shows how the XYZ color 30.1627, 29.4187, 98.6964 looks on a white background.

Color Contrast Check

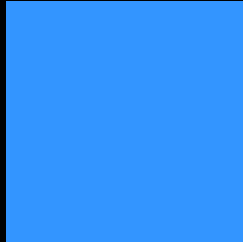
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.1627, 29.4187, 98.6964 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

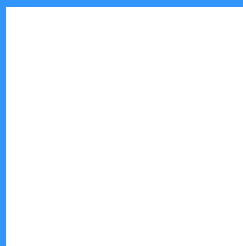
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.1627, 29.4187, 98.6964

Background



This preview shows how black text looks on a background with the XYZ color 30.1627, 29.4187, 98.6964.



This preview shows how white text looks on a background with the XYZ color 30.1627, 29.4187,

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

30.1627, 29.4187, 98.6964

Protanopia

32.2882, 29.2512, 93.5668

Deuteranopia

30.3848, 29.2993, 98.6616



Tritanopia

20.8351, 29.2895, 45.1128

Trichromacy



Original Color

30.1627, 29.4187, 98.6964

Protanomaly

31.1053, 29.0548, 95.2355

Deuteranomaly

30.2155, 29.2120, 98.6537

Tritanomaly

23.3945, 28.9518, 61.4820

Monochromacy



Original Color

30.1627, 29.4187, 98.6964

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.6178, 24.2348, 45.0807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1627, 29.4187, 98.6964 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, 149, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 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(51, 149, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 149, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.1627, 29.4187, 98.6964 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, 149, 255) }
```


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

```
.border{ border-color:rgb(51, 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(51, 149, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 149, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 149, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 149,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1627, 29.4187, 98.6964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 149, 255) }
```

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

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