

Converting Colors

XYZ(29.2131, 27.5134, 98.3787)

Have a look what the booklet for
XYZ(29.2131, 27.5134, 98.3787)
contains.

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Color

**XYZ(29.2377, 27.5687,
98.3880)**

Conversions

Conversions Part 1

Format	Color
Hex	338FFF
RGB	51, 143, 255
RGB Percent	20%, 56%, 100%
CMY	0.7999, 0.4392, 0.0000
CMYK	0.80, 0.44, 0.00, 0.00
HSL	213°, 100%, 60%
HSV	213°, 80%, 100%
XYZ	29.2377, 27.5687, 98.3880
YIQ	128.2600, -90.7840, 15.3280

Conversions

Conversions Part 2

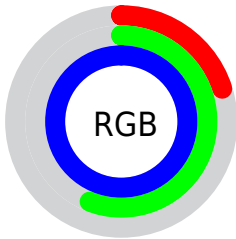
Format	Color
RYP	51, 114, 255
Decimal	3379199
CIELab	59.50, 12.11, -63.19
CIElCh	59, 64.338, 280.845
Yxy	27.5687, 0.1884, 0.1776
Android (android.graphics.Color)	4281569279 (0xFF338FFF)
YUV	128.2600, 62.4828, -67.7570
Hunter-Lab	52.5059, 7.5117, -74.3462

Details

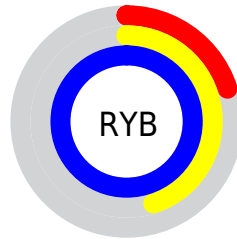
The XYZ color **29.2377, 27.5687, 98.3880** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **54.9384, 47.7001, 9.4457**, and the grayscale version is **20.4228, 21.4863, 23.3986**.

A 20% lighter version of the original color is **46.6920, 51.2890, 102.0466**, and **14.0807, 12.0366, 54.4045** is the 20% darker color. If you saturate the color by 10%, you get **26.3140, 23.1337, 97.6861**, and if you desaturate by 10%, it is **33.1292, 32.8925, 99.2105**.

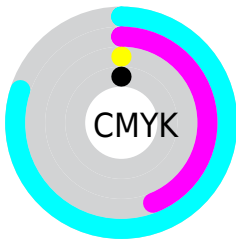
Distribution



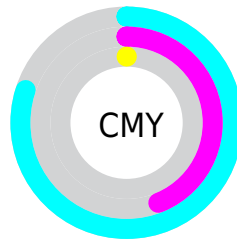
- Red (20%)
- Green (56%)
- Blue (100%)



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



- Cyan (80%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2377, 27.5687, 98.3880 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 29.2377, 27.5687, 98.3880 by changing the saturation by 10% instead.

■ 29.2377, 27.5687,
98.3880

■ 29.2377, 27.5687,
98.3880

290.3089,
290.4002, 576.2145

■ 19.4059, 18.0008,
74.3456

■ 57.8495, 55.7951,
160.9727

■ 12.0697, 10.9506,
54.5785

■ 77.3602, 75.2224,
200.3520

■ 6.8637, 6.0336,
38.6680

■ 100.8279, 98.7049,
245.6808

■ 3.4226, 2.8655,
26.1957

■ 128.6179,
126.6271, 297.3775

■ 1.3810, 1.0619,
16.7430

161.0957,
159.3734, 355.8606

■ 0.2426, 0.0000,
9.8914

198.6265,

■ 0.0000, 0.0000,

197.3280, 421.5488

5.2224

241.5758,
240.8755, 494.8606

■ 0.0000, 0.0000,
2.3173

■ 0.0000, 0.0000,
0.7409

■ 29.2377, 27.5687,
98.3880

■ 29.2377, 27.5687,
98.3880

■ 26.3140, 23.1337,
97.6861

■ 33.1292, 32.8925,
99.2105

■ 24.1808, 19.4812,
97.0935

■ 38.0952, 39.1729,
100.1610

■ 24.1793, 19.4787,
97.0931

■ 44.2298, 46.4718,
101.2465

■ 51.6152, 54.8436,
102.4732

■ 60.3255, 64.3385,
103.8468

■ 70.4284, 75.0027,
105.3727

■ 81.9871, 86.8797,
107.0560

■ 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.



21.4274, 27.5687, 94.7506



29.2377, 27.5687, 98.3880



37.7388, 27.5687, 77.8475

Triad

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



29.2377, 27.5687, 98.3880



39.8062, 27.5687, 9.3033



14.0931, 27.5687, 17.6535

Complementary

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



29.2377, 27.5687, 98.3880



54.9384, 47.7001, 9.4457

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.



17.2963, 27.5687, 7.3672



29.2377, 27.5687, 98.3880



31.6407, 27.5687, 4.5477

Square

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



29.2377, 27.5687, 98.3880



44.6231, 27.5687, 22.3973



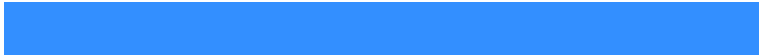
23.3863, 27.5687, 4.0896



13.7112, 27.5687, 39.1958

Rectangle

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



29.2377, 27.5687, 98.3880



42.2543, 27.5687, 57.3420



23.3863, 27.5687, 4.0896



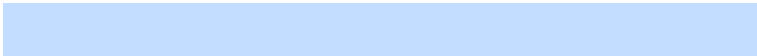
14.8391, 27.5687, 13.1359

Sweetspot

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



29.2388, 27.5695, 98.3881



66.2082, 70.5857, 104.7426



43.4547, 74.7557, 45.3092



13.4095, 14.3022, 22.3038



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.



29.2388, 27.5695, 98.3881



24.9651, 20.8607, 97.3185



20.9691, 10.4834, 95.5261



17.6775, 18.7267, 22.9329



12.7786, 10.4667, 50.7814



1.3515, 1.2337, 4.9802

Inverse Universe

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



47.3827, 25.6125, 28.4333



44.7767, 22.8518, 20.0079



75.1405, 91.7523, 16.8838



18.3499, 18.1233, 20.4596



23.2382, 11.7846, 9.9049



2.3168, 1.1691, 1.2496

Previews

White Background



This preview shows how the XYZ color 29.2377, 27.5687, 98.3880 looks on a white background.

Color Contrast Check

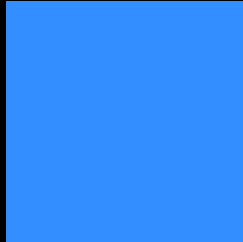
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2377, 27.5687, 98.3880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

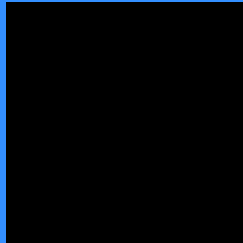
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

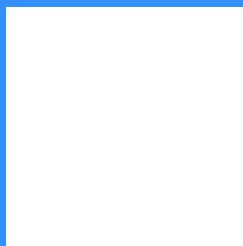
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2377, 27.5687, 98.3880

Background



This preview shows how black text looks on a background with the XYZ color 29.2377, 27.5687, 98.3880.



This preview shows how white text looks on a background with the XYZ color 29.2377, 27.5687,

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

29.2377, 27.5687, 98.3880

Protanopia

30.5602, 27.2527, 94.0921

Deuteranopia

28.7108, 27.7468, 98.4502



Tritanopia

19.3883, 27.3183, 41.7872

Trichromacy



Original Color

29.2377, 27.5687, 98.3880

Protanomaly

29.9293, 27.3209, 95.7915

Deuteranomaly

28.8226, 27.5786, 98.4118

Tritanomaly

22.0851, 27.0910, 58.7087

Monochromacy



Original Color

29.2377, 27.5687, 98.3880

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.2830, 22.5404, 43.2734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2377, 27.5687, 98.3880 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, 143, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 143, 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, 143, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 143, 255) }
```

Border

The CSS property to change the border of an element to XYZ 29.2377, 27.5687, 98.3880 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, 143, 255) }
```


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

```
.border{ border-color:rgb(51, 143, 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, 143, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 143, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 143, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 143,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2377, 27.5687, 98.3880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 143, 255) }
```

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

```
.background{ background-color: rgb(51, 143,  
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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