

Converting Colors

XYZ(29.7966, 29.2328, 98.6798)

Have a look what the booklet for
XYZ(29.7966, 29.2328, 98.6798)
contains.

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Color

**XYZ(29.7937, 29.2285,
98.6791)**

Conversions

Conversions Part 1

Format	Color
Hex	2B95FF
RGB	43, 149, 255
RGB Percent	17%, 58%, 100%
CMY	0.8313, 0.4157, 0.0000
CMYK	0.83, 0.42, 0.00, 0.00
HSL	210°, 100%, 58%
HSV	210°, 83%, 100%
XYZ	29.7937, 29.2285, 98.6791
YIQ	129.3900, -97.2020, 10.4940

Conversions

Conversions Part 2

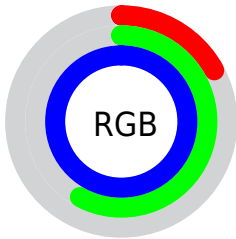
Format	Color
R _Y B	43, 114, 255
Decimal	2856447
CIE Lab	60.98, 7.83, -60.82
CIE LCh	61, 61.319, 277.334
Yxy	29.2285, 0.1889, 0.1853
Android (android.graphics.Color)	4281046527 (0xFF2B95FF)
YUV	129.3900, 61.9257, -75.7640
Hunter-Lab	54.0634, 3.7583, -70.3746

Details

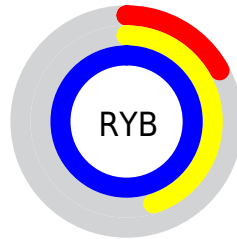
The XYZ color **29.7937, 29.2285, 98.6791** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **52.4272, 42.9361, 7.8119**, and the grayscale version is **20.8195, 21.9038, 23.8532**.

A 20% lighter version of the original color is **47.7181, 54.2170, 102.5576**, and **14.6549, 13.0009, 55.1631** is the 20% darker color. If you saturate the color by 10%, you get **27.1300, 25.0229, 98.0077**, and if you desaturate by 10%, it is **33.3472, 34.2213, 99.4555**.

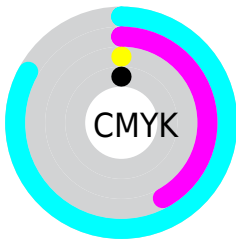
Distribution



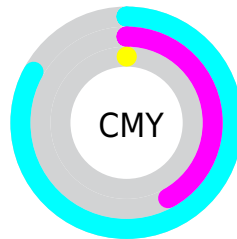
- Red (17%)
- Green (58%)
- Blue (100%)



- Red (17%)
- Yellow (45%)
- Blue (100%)



- Cyan (83%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)



- Cyan (83%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7937, 29.2285, 98.6791 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 29.7937, 29.2285, 98.6791 by changing the saturation by 10% instead.

■ 29.7937, 29.2285,
98.6791

■ 29.7937, 29.2285,
98.6791

292.8688,
298.2916, 577.1599

■ 19.8293, 19.2537,
74.5871

■ 58.7246, 58.4399,
161.3768

■ 12.3786, 11.8538,
54.7750

■ 78.4219, 78.4454,
200.8196

■ 7.0761, 6.6442,
38.8242

■ 102.0943,
102.5632, 246.2164

■ 3.5565, 3.2406,
26.3162

■ 130.1070,
131.1778, 297.9858

■ 1.4544, 1.2586,
16.8325

■ 162.8254,
164.6735, 356.5463

■ 0.2945, 0.1088,
9.9544

200.6150,

■ 0.0000, 0.0000,

203.4348, 422.3165

5.2636

243.8410,
247.8460, 495.7148

■ 0.0000, 0.0000,
2.3413

■ 0.0000, 0.0000,
0.7542

■ 29.7937, 29.2285,
98.6791

■ 29.7937, 29.2285,
98.6791

■ 27.1300, 25.0229,
98.0077

■ 33.3472, 34.2213,
99.4555

■ 25.7026, 22.5251,
97.6009

■ 37.9019, 40.0679,
100.3440

■ 43.5540, 46.8278,
101.3509

■ 50.3866, 54.5530,
102.4819

■ 58.4739, 63.2908,
103.7422

■ 67.8835, 73.0844,
105.1366

■ 78.6782, 83.9745,
106.6697

■ 90.9161, 95.9992,
108.3457

■ 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.



22.2585, 29.2285, 92.3437



29.7937, 29.2285, 98.6791



38.2071, 29.2285, 81.3556

Triad

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



29.7937, 29.2285, 98.6791



41.9139, 29.2285, 11.8696



15.8547, 29.2285, 17.6741

Complementary

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



29.7937, 29.2285, 98.6791



52.4272, 42.9361, 7.8119

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.



19.4481, 29.2285, 8.0593



29.7937, 29.2285, 98.6791



34.1484, 29.2285, 6.0090

Square

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



29.7937, 29.2285, 98.6791



46.0268, 29.2285, 26.5196



25.8607, 29.2285, 5.0613



15.1342, 29.2285, 37.7944

Rectangle

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



29.7937, 29.2285, 98.6791



42.8677, 29.2285, 62.0612



25.8607, 29.2285, 5.0613



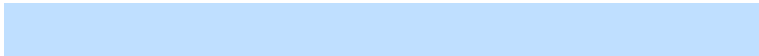
16.7279, 29.2285, 13.4610

Sweetspot

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



29.7948, 29.2293, 98.6792



66.0191, 71.1694, 104.8652



42.1829, 74.2043, 40.5380



13.4093, 14.4856, 22.3392



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.



29.7948, 29.2293, 98.6792



25.7026, 22.5251, 97.6009



19.9119, 9.4634, 95.3849



17.7533, 18.8783, 22.9581



13.5794, 12.0685, 51.0483



1.4314, 1.3935, 5.0068

Inverse Universe

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



47.5296, 25.1593, 30.7854



45.1027, 22.8051, 22.2705



77.4365, 92.9546, 16.1483



18.3881, 18.1386, 20.6611



23.6425, 11.9463, 12.0336



2.3571, 1.1852, 1.4619

Previews

White Background



This preview shows how the XYZ color 29.7937, 29.2285, 98.6791 looks on a white background.

Color Contrast Check

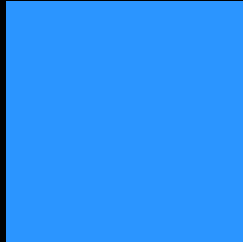
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7937, 29.2285, 98.6791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

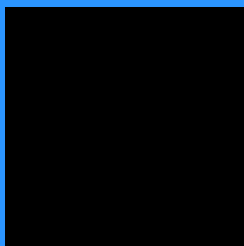
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

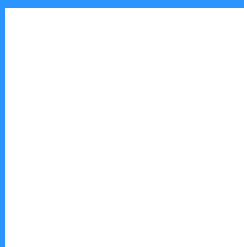
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7937, 29.2285, 98.6791

Background



This preview shows how black text looks on a background with the XYZ color 29.7937, 29.2285, 98.6791.



This preview shows how white text looks on a background with the XYZ color 29.7937, 29.2285,

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

29.7937, 29.2285, 98.6791

Protanopia

32.1769, 29.1938, 93.5616

Deuteranopia

30.2708, 29.2406, 98.6563



Tritanopia

20.5603, 28.8967, 44.5384

Trichromacy



Original Color

29.7937, 29.2285, 98.6791

Protanomaly

30.7624, 28.8781, 95.2195

Deuteranomaly

30.0051, 29.1036, 98.6439

Tritanomaly

23.0501, 28.5359, 60.7930

Monochromacy



Original Color

29.7937, 29.2285, 98.6791

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.5790, 23.3001, 43.9175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7937, 29.2285, 98.6791 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(43, 149, 255)` looks like.

```
.text, #text, p{  
    color:rgb(43, 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(43, 149, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 149, 255) }
```

Border

The CSS property to change the border of an element to XYZ 29.7937, 29.2285, 98.6791 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(43, 149, 255) }
```


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

```
.border{ border-color:rgb(43, 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(43, 149, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 149, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 149, 255);  
box-shadow:4px 4px 4px 4px rgb(43, 149,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7937, 29.2285, 98.6791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 149, 255) }
```

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

```
.background{ background-color: rgb(43, 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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