

Converting Colors

XYZ(32.2785, 31.7756, 99.0398)

Have a look what the booklet for
XYZ(32.2785, 31.7756, 99.0398)
contains.

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Color

**XYZ(32.2041, 31.6708,
99.0235)**

Conversions

Conversions Part 1

Format	Color
Hex	479AFF
RGB	71, 154, 255
RGB Percent	28%, 60%, 100%
CMY	0.7215, 0.3961, 0.0000
CMYK	0.72, 0.40, 0.00, 0.00
HSL	213°, 100%, 64%
HSV	213°, 72%, 100%
XYZ	32.2041, 31.6708, 99.0235
YIQ	140.6970, -81.8890, 13.8150

Conversions

Conversions Part 2

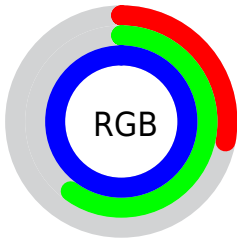
Format	Color
R _Y B	71, 128, 255
Decimal	4692735
CIE Lab	63.07, 7.76, -57.44
CIE LCh	63, 57.965, 277.689
Yxy	31.6708, 0.1977, 0.1944
Android (android.graphics.Color)	4282882815 (0xFF479AFF)
YUV	140.6970, 56.3514, -61.1243
Hunter-Lab	56.2768, 3.6612, -64.9317

Details

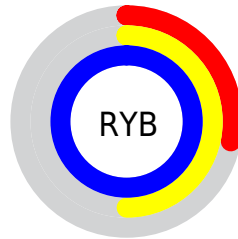
The XYZ color **32.2041, 31.6708, 99.0235** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **57.1322, 51.2241, 12.8393**, and the grayscale version is **25.0103, 26.3128, 28.6546**.

A 20% lighter version of the original color is **51.4211, 57.9072, 103.0748**, and **15.1434, 13.9778, 55.3259** is the 20% darker color. If you saturate the color by 10%, you get **28.5334, 26.5468, 98.2279**, and if you desaturate by 10%, it is **36.9305, 37.7397, 99.9458**.

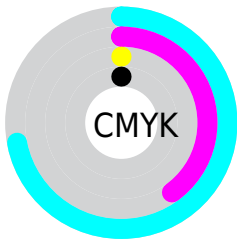
Distribution



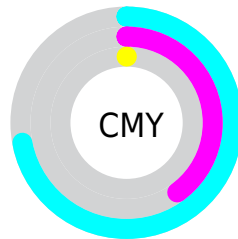
- Red (28%)
- Green (60%)
- Blue (100%)



- Red (28%)
- Yellow (50%)
- Blue (100%)



- Cyan (72%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)



- Cyan (72%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2041, 31.6708, 99.0235 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 32.2041, 31.6708, 99.0235 by changing the saturation by 10% instead.

■ 32.2041, 31.6708,
99.0235

■ 32.2041, 31.6708,
99.0235

303.7767,
309.6169, 578.2773

■ 21.6737, 21.1102,
74.8729

■ 62.4940, 62.2947,
161.8548

■ 13.7326, 13.2046,
55.0077

■ 82.9842, 83.1267,
201.3725

■ 8.0154, 7.5696,
39.0092

■ 107.5250,
108.1513, 246.8498

■ 4.1567, 3.8208,
26.4590

■ 136.4819,
137.7529, 298.7051

■ 1.7912, 1.5738,
16.9385

170.2202,
172.3158, 357.3569

■ 0.5123, 0.3399,
10.0292

209.1052,

■ 0.0000, 0.0000,

212.2245, 423.2239

5.3124

253.5022,
257.8634, 496.7245

■ 0.0000, 0.0000,
2.3698

■ 0.0000, 0.0000,
0.7699

■ 32.2041, 31.6708,
99.0235

■ 32.2041, 31.6708,
99.0235

■ 28.5334, 26.5468,
98.2279

■ 36.9305, 37.7397,
99.9458

■ 25.8003, 22.2920,
97.5507

■ 42.8052, 44.8133,
101.0015

■ 24.1830, 19.4861,
97.0943

■ 49.9136, 52.9483,
102.1971

■ 58.3312, 62.1956,
103.5383

■ 68.1273, 72.6022,
105.0307

■ 79.3656, 84.2121,
106.6793

■ 92.1061, 97.0669,
108.4890

■ 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.



24.6396, 31.6708, 93.2839



32.2041, 31.6708, 99.0235



40.5023, 31.6708, 82.3188

Triad

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



32.2041, 31.6708, 99.0235



43.9656, 31.6708, 13.9767



18.0115, 31.6708, 20.3354

Complementary

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



32.2041, 31.6708, 99.0235



57.1322, 51.2241, 12.8393

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.



21.6547, 31.6708, 10.0739



32.2041, 31.6708, 99.0235



36.3176, 31.6708, 7.6987

Square

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



32.2041, 31.6708, 99.0235



48.0326, 31.6708, 28.9276



28.0937, 31.6708, 6.6808



17.3026, 31.6708, 40.7101

Rectangle

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



32.2041, 31.6708, 99.0235



45.0381, 31.6708, 63.7445



28.0937, 31.6708, 6.6808



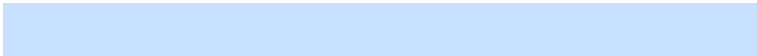
18.8979, 31.6708, 15.9110

Sweetspot

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



32.2053, 31.6717, 99.0236



68.2873, 72.7697, 105.0546



45.5339, 75.7298, 49.8220



14.0165, 14.9456, 22.3960



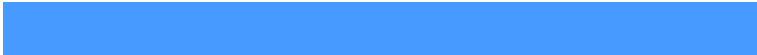
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.2053, 31.6717, 99.0236



27.0994, 24.3805, 97.8854



23.3763, 13.3118, 95.9451



17.6777, 18.7271, 22.9329



12.7805, 10.4706, 50.7820



1.3517, 1.2341, 4.9802

Inverse Universe

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



49.3269, 28.1011, 33.3968



46.0367, 24.0555, 24.4859



75.9173, 92.0904, 19.7372



18.3500, 18.1233, 20.4601



23.2392, 11.7850, 9.9101



2.3169, 1.1691, 1.2501

Previews

White Background



This preview shows how the XYZ color 32.2041, 31.6708, 99.0235 looks on a white background.

Color Contrast Check

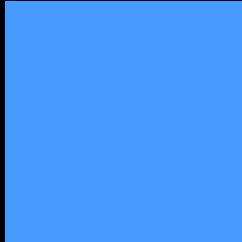
Large Text (above 18pt) WCAG AA × Fail

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 32.2041, 31.6708, 99.0235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

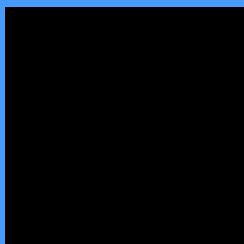
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

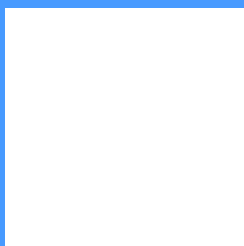
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.2041, 31.6708, 99.0235

Background



This preview shows how black text looks on a background with the XYZ color 32.2041, 31.6708, 99.0235.



This preview shows how white text looks on a background with the XYZ color 32.2041, 31.6708,

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

32.2041, 31.6708, 99.0235

Protanopia

34.4008, 31.4614, 94.7020

Deuteranopia

32.7495, 31.7079, 99.0019

Trichromacy



Original Color

32.2041, 31.6708, 99.0235

Protanomaly

33.3009, 31.3278, 96.3872

Deuteranomaly

32.5018, 31.5802, 98.9903

Monochromacy



Original Color

32.2041, 31.6708, 99.0235

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

25.9248, 27.6482, 48.2262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2041, 31.6708, 99.0235 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(71, 154, 255)` looks like.

```
.text, #text, p{  
    color:rgb(71, 154, 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(71, 154, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 154, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.2041, 31.6708, 99.0235 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(71, 154, 255) }
```

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

```
.border{ border-color:rgb(71, 154, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 154, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 154, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 154, 255);  
box-shadow:4px 4px 4px 4px rgb(71, 154,  
255) }
```


Background

The CSS property to change the background color of an element to XYZ 32.2041, 31.6708, 99.0235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 154, 255) }
```

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

```
.background{ background-color: rgb(71, 154,  
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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