

Converting Colors

XYZ(31.6926, 32.0755, 99.1285)

Have a look what the booklet for
XYZ(31.6926, 32.0755, 99.1285)
contains.

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Color

**XYZ(31.7379, 32.1747,
99.1453)**

Conversions

Conversions Part 1

Format	Color
Hex	389DFF
RGB	56, 157, 255
RGB Percent	22%, 62%, 100%
CMY	0.7803, 0.3843, 0.0000
CMYK	0.78, 0.38, 0.00, 0.00
HSL	210°, 100%, 61%
HSV	210°, 78%, 100%
XYZ	31.7379, 32.1747, 99.1453
YIQ	137.9730, -91.6540, 9.0660

Conversions

Conversions Part 2

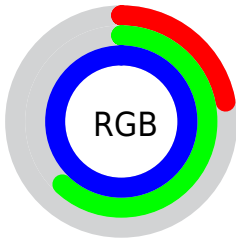
Format	Color
R _Y B	56, 123, 255
Decimal	3710463
CIE Lab	63.49, 4.27, -56.80
CIE LCh	63, 56.964, 274.296
Yxy	32.1747, 0.1946, 0.1973
Android (android.graphics.Color)	4281900543 (0xFF389DFF)
YUV	137.9730, 57.6943, -71.8903
Hunter-Lab	56.7227, 0.6107, -63.9267

Details

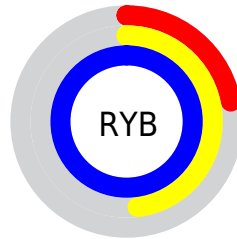
The XYZ color **31.7379, 32.1747, 99.1453** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **53.5126, 44.6624, 9.5439**, and the grayscale version is **23.9616, 25.2095, 27.4532**.

A 20% lighter version of the original color is **50.5502, 58.5544, 103.2456**, and **15.3471, 14.3853, 55.3938** is the 20% darker color. If you saturate the color by 10%, you get **28.6411, 27.5847, 98.4226**, and if you desaturate by 10%, it is **35.7803, 37.5771, 99.9750**.

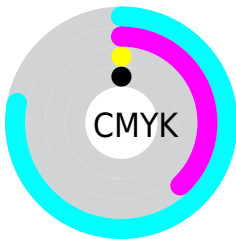
Distribution



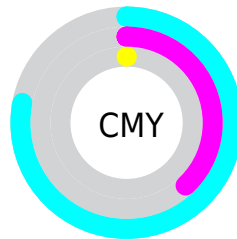
- Red (22%)
- Green (62%)
- Blue (100%)



- Red (22%)
- Yellow (48%)
- Blue (100%)



- Cyan (78%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (78%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7379, 32.1747, 99.1453 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 31.7379, 32.1747, 99.1453 by changing the saturation by 10% instead.

■ 31.7379, 32.1747,
99.1453

■ 31.7379, 32.1747,
99.1453

301.6901,
311.9143, 578.6722

■ 21.3160, 21.4950,
74.9740

■ 61.7679, 63.0849,
162.0238

■ 13.4689, 13.4863,
55.0900

■ 82.1068, 84.0841,
201.5680

■ 7.8315, 7.7643,
39.0747

■ 106.4819,
109.2919, 247.0737

■ 4.0382, 3.9445,
26.5096

■ 135.2587,
139.0928, 298.9593

■ 1.7238, 1.6425,
16.9761

168.8026,
173.8711, 357.6435

■ 0.4711, 0.3860,
10.0556

207.4789,

■ 0.0000, 0.0000,

214.0111, 423.5446

5.3298

251.6530,
259.8974, 497.0813

■ 0.0000, 0.0000,
2.3799

■ 0.0000, 0.0000,
0.7755

■ 31.7379, 32.1747,
99.1453

■ 31.7379, 32.1747,
99.1453

■ 28.6411, 27.5847,
98.4226

■ 35.7803, 37.5771,
99.9750

■ 26.3483, 23.7234,
97.7981

■ 40.8678, 43.8515,
100.9180

■ 25.9547, 23.0294,
97.6849

■ 47.0898, 51.0533,
101.9801

■ 54.5242, 59.2311,
103.1668

■ 63.2413, 68.4298,
104.4828

■ 73.3059, 78.6905,
105.9329

■ 84.7779, 90.0521,
107.5213

■ 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.



24.4309, 32.1747, 90.9769



31.7379, 32.1747, 99.1453



40.0062, 32.1747, 84.9339

Triad

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



31.7379, 32.1747, 99.1453



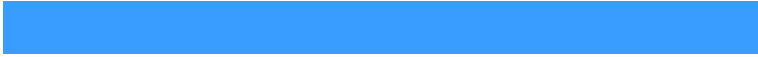
44.9927, 32.1747, 15.7329



18.7932, 32.1747, 19.2961

Complementary

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



31.7379, 32.1747, 99.1453



53.5126, 44.6624, 9.5439

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.



22.7664, 32.1747, 9.9174



31.7379, 32.1747, 99.1453



37.6855, 32.1747, 8.5725

Square

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



31.7379, 32.1747, 99.1453



48.4529, 32.1747, 31.8615



29.4527, 32.1747, 7.0321



17.7530, 32.1747, 38.4078

Rectangle

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



31.7379, 32.1747, 99.1453



44.7150, 32.1747, 67.2118



29.4527, 32.1747, 7.0321



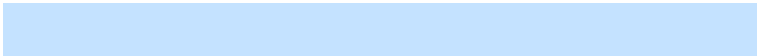
19.7917, 32.1747, 15.2226

Sweetspot

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



31.7391, 32.1757, 99.1454



68.1337, 73.4580, 105.1955



43.0752, 74.6346, 41.9241



13.8242, 14.9445, 22.4059



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.



31.7391, 32.1757, 99.1454



27.1902, 25.2006, 98.0389



21.2631, 11.2237, 95.6534



17.7651, 18.9017, 22.9620



13.7117, 12.3330, 51.0924



1.4444, 1.4195, 5.0111

Inverse Universe

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



48.7410, 26.5244, 34.4497



45.9267, 23.4148, 25.7462



76.6654, 90.9680, 17.2615



18.3941, 18.1409, 20.6923



23.7092, 11.9730, 12.3852



2.3637, 1.1878, 1.4965

Previews

White Background



This preview shows how the XYZ color 31.7379, 32.1747, 99.1453 looks on a white background.

Color Contrast Check

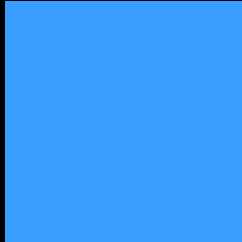
Large Text (above 18pt) WCAG AA × Fail

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 31.7379, 32.1747, 99.1453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

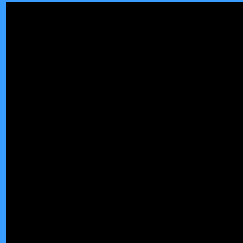
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

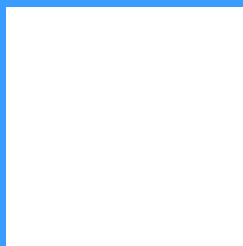
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7379, 32.1747, 99.1453

Background



This preview shows how black text looks on a background with the XYZ color 31.7379, 32.1747, 99.1453.



This preview shows how white text looks on a background with the XYZ color 31.7379, 32.1747,

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

31.7379, 32.1747, 99.1453

Protanopia

34.6302, 31.8496, 93.1293

Deuteranopia

33.1729, 32.1702, 99.0688



Tritanopia

22.8182, 32.1268, 49.2544

Trichromacy



Original Color

31.7379, 32.1747, 99.1453

Protanomaly

33.1550, 31.7487, 95.6474

Deuteranomaly

32.5190, 32.0792, 99.0857

Tritanomaly

25.2522, 31.6624, 65.1021

Monochromacy



Original Color

31.7379, 32.1747, 99.1453

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

24.6502, 26.7751, 47.5850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7379, 32.1747, 99.1453 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(56, 157, 255)` looks like.

```
.text, #text, p{  
    color:rgb(56, 157, 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(56, 157, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 157, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.7379, 32.1747, 99.1453 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(56, 157, 255) }
```


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

```
.border{ border-color:rgb(56, 157, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 157, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 157, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 157, 255);  
box-shadow:4px 4px 4px 4px rgb(56, 157,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7379, 32.1747, 99.1453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 157, 255) }
```

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

```
.background{ background-color: rgb(56, 157,  
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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