

Converting Colors

XYZ(31.5086, 32.1105, 99.1450)

Have a look what the booklet for
XYZ(31.5086, 32.1105, 99.1450)
contains.

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Color

**XYZ(31.4722, 32.0377,
99.1329)**

Conversions

Conversions Part 1

Format	Color
Hex	339DFF
RGB	51, 157, 255
RGB Percent	20%, 62%, 100%
CMY	0.7999, 0.3843, 0.0000
CMYK	0.80, 0.38, 0.00, 0.00
HSL	209°, 100%, 60%
HSV	209°, 80%, 100%
XYZ	31.4722, 32.0377, 99.1329
YIQ	136.4780, -94.6340, 8.0060

Conversions

Conversions Part 2

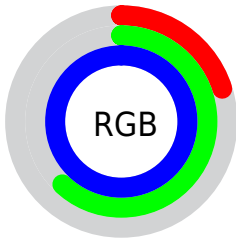
Format	Color
R _Y B	51, 121, 255
Decimal	3382783
CIE Lab	63.37, 3.78, -56.99
CIE LCh	63, 57.116, 273.798
Yxy	32.0377, 0.1935, 0.1970
Android (android.graphics.Color)	4281572863 (0xFF339DFF)
YUV	136.4780, 58.4313, -74.9642
Hunter-Lab	56.6019, 0.1977, -64.2196

Details

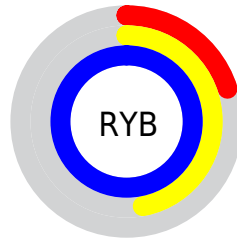
The XYZ color **31.4722, 32.0377, 99.1329** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **52.5882, 42.9997, 8.6622**, and the grayscale version is **23.3963, 24.6148, 26.8055**.

A 20% lighter version of the original color is **50.0967, 58.3206, 103.2244**, and **15.3471, 14.3853, 55.3938** is the 20% darker color. If you saturate the color by 10%, you get **28.5511, 27.6079, 98.4318**, and if you desaturate by 10%, it is **35.3068, 37.2477, 99.9364**.

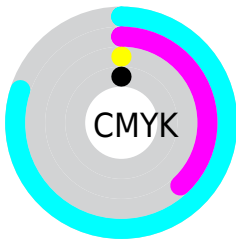
Distribution



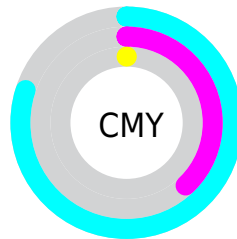
- Red (20%)
- Green (62%)
- Blue (100%)



- Red (20%)
- Yellow (47%)
- Blue (100%)



- Cyan (80%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4722, 32.0377, 99.1329 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 31.4722, 32.0377, 99.1329 by changing the saturation by 10% instead.

■ 31.4722, 32.0377,
99.1329

■ 31.4722, 32.0377,
99.1329

300.4961,
311.2910, 578.6320

■ 21.1123, 21.3903,
74.9637

■ 61.3535, 62.8702,
162.0065

■ 13.3190, 13.4096,
55.0816

■ 81.6057, 83.8241,
201.5481

■ 7.7271, 7.7112,
39.0680

■ 105.8859,
108.9822, 247.0509

■ 3.9712, 3.9107,
26.5044

■ 134.5596,
138.7290, 298.9334

■ 1.6858, 1.6237,
16.9722

167.9921,
173.4489, 357.6143

■ 0.4474, 0.3735,
10.0530

206.5488,

■ 0.0000, 0.0000,

213.5263, 423.5120

5.3280

250.5950,
259.3455, 497.0450

■ 0.0000, 0.0000,
2.3789

■ 0.0000, 0.0000,
0.7749

■ 31.4722, 32.0377,
99.1329

■ 31.4722, 32.0377,
99.1329

■ 28.5511, 27.6079,
98.4318

■ 35.3068, 37.2477,
99.9364

■ 26.3694, 23.8584,
97.8231

■ 40.1580, 43.2986,
100.8487

■ 26.3679, 23.8558,
97.8226

■ 46.1170, 50.2462,
101.8756

■ 53.2630, 58.1392,
103.0225

■ 61.6673, 67.0222,
104.2941

■ 71.3952, 76.9364,
105.6950

■ 82.5072, 87.9200,
107.2294

■ 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.



24.2012, 32.0377, 90.5791



31.4722, 32.0377, 99.1329



39.7465, 32.0377, 85.2231

Triad

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



31.4722, 32.0377, 99.1329



44.9638, 32.0377, 15.7918



18.7146, 32.0377, 18.9340

Complementary

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



31.4722, 32.0377, 99.1329



52.5882, 42.9997, 8.6622

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.



22.7309, 32.0377, 9.7209



31.4722, 32.0377, 99.1329



37.6933, 32.0377, 8.5381

Square

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



31.4722, 32.0377, 99.1329



48.3437, 32.0377, 32.0699



29.4519, 32.0377, 6.9322



17.6277, 32.0377, 37.8572

Rectangle

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



31.4722, 32.0377, 99.1329



44.4895, 32.0377, 67.5626



29.4519, 32.0377, 6.9322



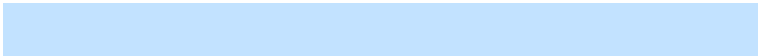
19.7279, 32.0377, 14.9231

Sweetspot

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



31.4734, 32.0386, 99.1330



67.3339, 72.8370, 105.1178



42.3309, 74.3062, 39.3914



13.6786, 14.8404, 22.3935



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.



31.4734, 32.0386, 99.1330



27.1789, 25.2884, 98.0564



20.9201, 10.9321, 95.6152



17.7838, 18.9392, 22.9683



13.9283, 12.7661, 51.1646



1.4656, 1.4619, 5.0182

Inverse Universe

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



48.5106, 26.0637, 34.3728



45.8941, 23.2988, 25.8923



75.4671, 88.7574, 16.2885



18.4035, 18.1447, 20.7421



23.8185, 12.0167, 12.9608



2.3744, 1.1921, 1.5528

Previews

White Background



This preview shows how the XYZ color 31.4722, 32.0377, 99.1329 looks on a white background.

Color Contrast Check

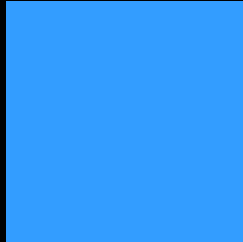
Large Text (above 18pt) WCAG AA × Fail

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 31.4722, 32.0377, 99.1329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

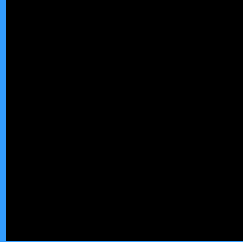
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

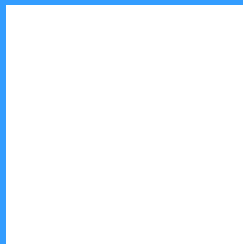
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4722, 32.0377, 99.1329

Background



This preview shows how black text looks on a background with the XYZ color 31.4722, 32.0377, 99.1329.



This preview shows how white text looks on a background with the XYZ color 31.4722, 32.0377,

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

31.4722, 32.0377, 99.1329

Protanopia

34.5008, 31.7829, 93.1233

Deuteranopia

32.9209, 31.7963, 99.0099



Tritanopia

22.6315, 31.7533, 49.1922

Trichromacy



Original Color

31.4722, 32.0377, 99.1329

Protanomaly

32.8573, 31.5952, 95.6335

Deuteranomaly

32.2041, 31.6708, 99.0235

Tritanomaly

25.2323, 31.6522, 65.1012

Monochromacy



Original Color

31.4722, 32.0377, 99.1329

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.9356, 26.2044, 46.4442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4722, 32.0377, 99.1329 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, 157, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 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(51, 157, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 157, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.4722, 32.0377, 99.1329 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, 157, 255) }
```


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

```
.border{ border-color:rgb(51, 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(51, 157, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 157, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 157, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 157,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4722, 32.0377, 99.1329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 157, 255) }
```

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

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