

Converting Colors

XYZ(31.1402, 32.6253, 99.2638)

Have a look what the booklet for
XYZ(31.1402, 32.6253, 99.2638)
contains.

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Color

**XYZ(31.1562, 32.6376,
99.2653)**

Conversions

Conversions Part 1

Format	Color
Hex	1EA0FF
RGB	30, 160, 255
RGB Percent	12%, 63%, 100%
CMY	0.8822, 0.3725, 0.0000
CMYK	0.88, 0.37, 0.00, 0.00
HSL	205°, 100%, 56%
HSV	205°, 88%, 100%
XYZ	31.1562, 32.6376, 99.2653
YIQ	131.9600, -107.9750, 1.9850

Conversions

Conversions Part 2

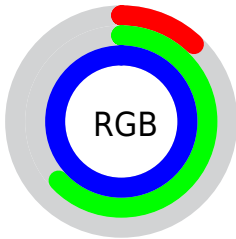
Format	Color
R _Y B	30, 112, 255
Decimal	2007295
CIE Lab	63.87, 0.50, -56.23
CIE LCh	64, 56.230, 270.509
Yxy	32.6376, 0.1911, 0.2002
Android (android.graphics.Color)	4280197375 (0xFF1EA0FF)
YUV	131.9600, 60.6587, -89.4189
Hunter-Lab	57.1293, -2.6291, -63.0291

Details

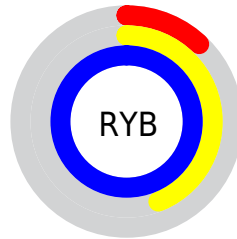
The XYZ color **31.1562, 32.6376, 99.2653** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **48.8123, 36.0290, 5.6120**, and the grayscale version is **21.7378, 22.8699, 24.9053**.

A 20% lighter version of the original color is **49.5678, 59.1647, 103.4152**, and **15.6617, 15.0145, 55.4987** is the 20% darker color. If you saturate the color by 10%, you get **28.8911, 28.8180, 98.6474**, and if you desaturate by 10%, it is **34.1742, 37.0861, 99.9649**.

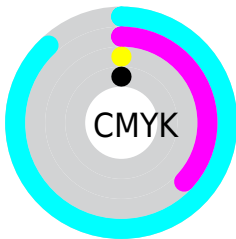
Distribution



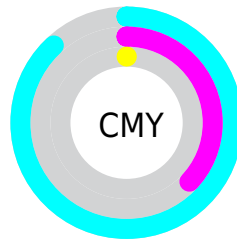
- Red (12%)
- Green (63%)
- Blue (100%)



- Red (12%)
- Yellow (44%)
- Blue (100%)



- Cyan (88%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)



- Cyan (88%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1562, 32.6376, 99.2653 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 31.1562, 32.6376, 99.2653 by changing the saturation by 10% instead.

■ 31.1562, 32.6376,
99.2653

■ 31.1562, 32.6376,
99.2653

299.0713,
314.0136, 579.0611

■ 20.8702, 21.8490,
75.0736

■ 60.8601, 63.8093,
162.1902

■ 13.1411, 13.7460,
55.1711

■ 81.0087, 84.9612,
201.7606

■ 7.6034, 7.9442,
39.1392

■ 105.1756,
110.3363, 247.2942

■ 3.8919, 4.0593,
26.5594

■ 133.7261,
140.3190, 299.2098

■ 1.6412, 1.7068,
17.0131

■ 167.0255,
175.2936, 357.9257

■ 0.4190, 0.4280,
10.0818

205.4393,

■ 0.0000, 0.0000,

215.6447, 423.8605

5.3469

249.3328,
261.7565, 497.4328

■ 0.0000, 0.0000,
2.3899

■ 0.0000, 0.0000,
0.7809

■ 31.1562, 32.6376,
99.2653

■ 31.1562, 32.6376,
99.2653

■ 28.8911, 28.8180,
98.6474

■ 34.1742, 37.0861,
99.9649

■ 28.5335, 28.1869,
98.5445

■ 38.0795, 42.2375,
100.7534

■ 42.9741, 48.1504,
101.6367

■ 48.9441, 54.8747,
102.6200

■ 56.0652, 62.4547,
103.7078

■ 64.4059, 70.9308,
104.9042

■ 74.0289, 80.3404,
106.2132

■ 84.9924, 90.7181,
107.6385

■ 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.



24.1233, 32.6376, 88.4955



31.1562, 32.6376, 99.2653



39.3958, 32.6376, 87.7874

Triad

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



31.1562, 32.6376, 99.2653



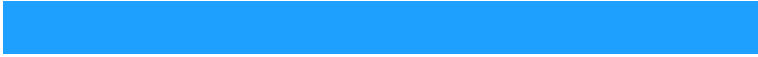
46.0470, 32.6376, 17.7008



19.5817, 32.6376, 18.1247

Complementary

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



31.1562, 32.6376, 99.2653



48.8123, 36.0290, 5.6120

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.



23.9262, 32.6376, 9.6777



31.1562, 32.6376, 99.2653



39.1223, 32.6376, 9.5162

Square

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



31.1562, 32.6376, 99.2653



48.8394, 32.6376, 35.1517



30.8863, 32.6376, 7.3604



18.1682, 32.6376, 35.9247

Rectangle

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



31.1562, 32.6376, 99.2653



44.2929, 32.6376, 71.0356



30.8863, 32.6376, 7.3604



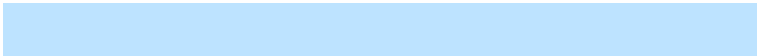
20.7067, 32.6376, 14.4181

Sweetspot

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



31.1574, 32.6386, 99.2654



66.4318, 72.9403, 105.1853



39.9198, 73.2459, 31.0261



13.5493, 14.9462, 22.4207



0.0000, 0.0000, 0.0000



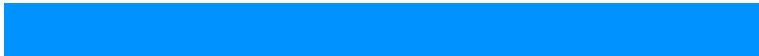
20.3446, 21.4041, 23.3091

Same Dimension

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



31.1574, 32.6386, 99.2654



28.5335, 28.1869, 98.5445



19.6755, 9.6747, 95.4381



17.8746, 19.1209, 22.9985



15.0604, 15.0304, 51.5420



1.5746, 1.6799, 5.0545

Inverse Universe

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



48.0504, 24.7283, 35.4988



46.5316, 23.3766, 29.7950



71.5430, 81.4904, 13.1890



18.4494, 18.1631, 20.9835



24.3900, 12.2453, 15.9701



2.4294, 1.2141, 1.8426

Previews

White Background



This preview shows how the XYZ color 31.1562, 32.6376, 99.2653 looks on a white background.

Color Contrast Check

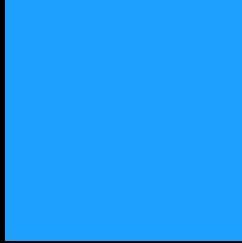
Large Text (above 18pt) WCAG AA × Fail

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 31.1562, 32.6376, 99.2653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

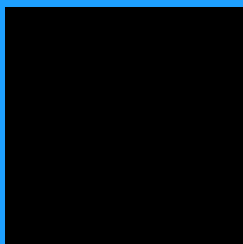
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

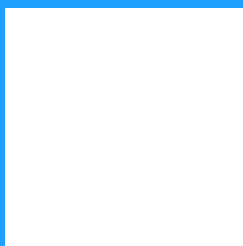
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1562, 32.6376, 99.2653

Background



This preview shows how black text looks on a background with the XYZ color 31.1562, 32.6376, 99.2653.



This preview shows how white text looks on a background with the XYZ color 31.1562, 32.6376,

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

31.1562, 32.6376, 99.2653

Protanopia

34.8770, 32.2484, 91.5751

Deuteranopia

33.6091, 32.6411, 99.1367



Tritanopia

23.1102, 32.5447, 49.8635

Trichromacy



Original Color

31.1562, 32.6376, 99.2653

Protanomaly

32.4008, 31.8821, 94.0687

Deuteranomaly

32.3537, 32.4922, 99.1741

Tritanomaly

25.4654, 32.3120, 65.2163

Monochromacy



Original Color

31.1562, 32.6376, 99.2653

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.3281, 24.9532, 45.2346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1562, 32.6376, 99.2653 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(30, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(30, 160, 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(30, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 160, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.1562, 32.6376, 99.2653 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(30, 160, 255) }
```


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

```
.border{ border-color:rgb(30, 160, 255) }
```

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

Here you see how a box with a 4 pixel rgb(30, 160, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(30, 160,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1562, 32.6376, 99.2653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 160, 255) }
```

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

```
.background{ background-color: rgb(30, 160,  
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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