

Converting Colors

XYZ(31.1914, 31.0736, 98.9616)

Have a look what the booklet for
XYZ(31.1914, 31.0736, 98.9616)
contains.

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Color

**XYZ(31.2365, 31.1720,
98.9782)**

Conversions

Conversions Part 1

Format	Color
Hex	389AFF
RGB	56, 154, 255
RGB Percent	22%, 60%, 100%
CMY	0.7803, 0.3961, 0.0000
CMYK	0.78, 0.40, 0.00, 0.00
HSL	210°, 100%, 61%
HSV	210°, 78%, 100%
XYZ	31.2365, 31.1720, 98.9782
YIQ	136.2120, -90.8290, 10.6350

Conversions

Conversions Part 2

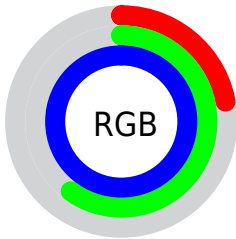
Format	Color
R _Y B	56, 122, 255
Decimal	3709695
CIE Lab	62.65, 6.03, -58.13
CIE LCh	63, 58.445, 275.919
Yxy	31.1720, 0.1936, 0.1932
Android (android.graphics.Color)	4281899775 (0xFF389AFF)
YUV	136.2120, 58.5625, -70.3459
Hunter-Lab	55.8319, 2.1603, -66.0264

Details

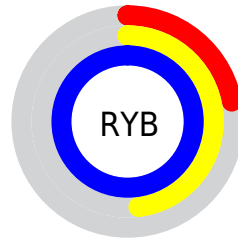
The XYZ color **31.2365, 31.1720, 98.9782** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **54.0137, 45.6648, 9.7109**, and the grayscale version is **23.2952, 24.5084, 26.6896**.

A 20% lighter version of the original color is **49.8118, 57.0776, 102.9995**, and **15.1434, 13.9778, 55.3259** is the 20% darker color. If you saturate the color by 10%, you get **28.1341, 26.5708, 98.2536**, and if you desaturate by 10%, it is **35.2963, 36.6094, 99.8137**.

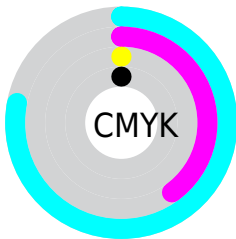
Distribution



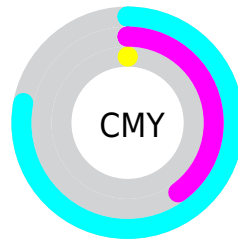
- Red (22%)
- Green (60%)
- Blue (100%)



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



- Cyan (78%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)



- Cyan (78%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2365, 31.1720, 98.9782 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 31.2365, 31.1720, 98.9782 by changing the saturation by 10% instead.

■ 31.2365, 31.1720,
98.9782

■ 31.2365, 31.1720,
98.9782

299.4339,
307.3299, 578.1304

■ 20.9317, 20.7299,
74.8353

■ 60.9855, 61.5108,
161.7919

■ 13.1863, 12.9267,
54.9771

■ 81.1605, 82.1762,
201.2998

■ 7.6348, 7.3781,
38.9849

■ 105.3562,
107.0181, 246.7665

■ 3.9120, 3.6997,
26.4402

■ 133.9381,
136.4210, 298.6105

■ 1.6525, 1.5070,
16.9246

167.2714,
170.7693, 357.2503

■ 0.4262, 0.2937,
10.0193

205.7216,

■ 0.0000, 0.0000,

210.4472, 423.1046

5.3060

249.6539,
255.8393, 496.5917

■ 0.0000, 0.0000,
2.3660

■ 0.0000, 0.0000,
0.7679

■ 31.2365, 31.1720,
98.9782

■ 31.2365, 31.1720,
98.9782

■ 28.1341, 26.5708,
98.2536

■ 35.2963, 36.6094,
99.8137

■ 25.8470, 22.7208,
97.6310

■ 40.4140, 42.9440,
100.7667

■ 25.4559, 22.0317,
97.5186

■ 46.6793, 50.2324,
101.8433

■ 54.1707, 58.5246,
103.0490

■ 62.9593, 67.8662,
104.3889

■ 73.1102, 78.2998,
105.8678

■ 84.6840, 89.8650,
107.4901

■ 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.



23.8053, 31.1720, 91.8389



31.2365, 31.1720, 98.9782



39.5571, 31.1720, 83.3286

Triad

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



31.2365, 31.1720, 98.9782



43.8507, 31.1720, 14.1570



17.7247, 31.1720, 18.9992

Complementary

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



31.2365, 31.1720, 98.9782



54.0137, 45.6648, 9.7109

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.



21.5173, 31.1720, 9.3626



31.2365, 31.1720, 98.9782



36.3304, 31.1720, 7.5729

Square

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



31.2365, 31.1720, 98.9782



47.6325, 31.1720, 29.6136



28.0758, 31.1720, 6.3290



16.8507, 31.1720, 38.6707

Rectangle

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



31.2365, 31.1720, 98.9782



44.2179, 31.1720, 64.9495



28.0758, 31.1720, 6.3290



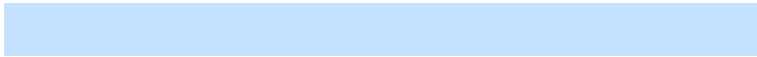
18.6625, 31.1720, 14.8106

Sweetspot

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



31.2377, 31.1729, 98.9783



67.8938, 72.9781, 105.1155



43.3510, 74.7449, 43.3770



13.7663, 14.8289, 22.3866



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.



31.2377, 31.1729, 98.9783



26.6854, 24.1910, 97.8706



21.0968, 10.8912, 95.5980



17.7417, 18.8549, 22.9542



13.4500, 11.8095, 51.0052



1.4186, 1.3679, 5.0025

Inverse Universe

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



48.4878, 26.4231, 33.1171



45.6719, 23.3129, 24.4044



77.7142, 93.0657, 17.6110



18.3823, 18.1362, 20.6301



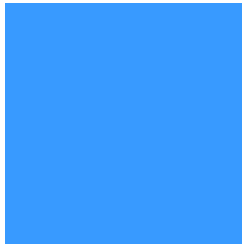
23.5771, 11.9201, 11.6895



2.3507, 1.1826, 1.4280

Previews

White Background



This preview shows how the XYZ color 31.2365, 31.1720, 98.9782 looks on a white background.

Color Contrast Check

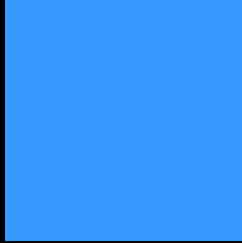
Large Text (above 18pt) WCAG AA × Fail

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 31.2365, 31.1720, 98.9782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

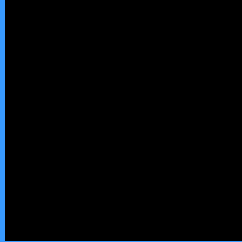
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

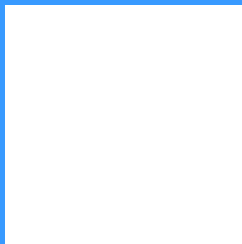
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2365, 31.1720, 98.9782

Background



This preview shows how black text looks on a background with the XYZ color 31.2365, 31.1720, 98.9782.



This preview shows how white text looks on a background with the XYZ color 31.2365, 31.1720,

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

31.2365, 31.1720, 98.9782

Protanopia

33.8393, 30.9582, 93.8145

Deuteranopia

32.1799, 31.1723, 98.9285



Tritanopia

22.0569, 30.9327, 47.9881

Trichromacy



Original Color

31.2365, 31.1720, 98.9782

Protanomaly

32.5354, 30.9514, 95.5262

Deuteranomaly

31.8251, 31.2314, 98.9586

Tritanomaly

24.4713, 30.4944, 63.6277

Monochromacy



Original Color

31.2365, 31.1720, 98.9782

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

24.0225, 26.0254, 46.4051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2365, 31.1720, 98.9782 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, 154, 255)` looks like.

```
.text, #text, p{  
    color:rgb(56, 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(56, 154, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 154, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.2365, 31.1720, 98.9782 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, 154, 255) }
```


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

```
.border{ border-color:rgb(56, 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(56, 154, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 154, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 154, 255);  
box-shadow:4px 4px 4px 4px rgb(56, 154,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2365, 31.1720, 98.9782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 154, 255) }
```

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

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