

Converting Colors

XYZ(30.3721, 29.8319, 98.7651)

Have a look what the booklet for
XYZ(30.3721, 29.8319, 98.7651)
contains.

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Color

**XYZ(30.3216, 29.7365,
98.7493)**

Conversions

Conversions Part 1

Format	Color
Hex	3396FF
RGB	51, 150, 255
RGB Percent	20%, 59%, 100%
CMY	0.7999, 0.4118, 0.0000
CMYK	0.80, 0.41, 0.00, 0.00
HSL	211°, 100%, 60%
HSV	211°, 80%, 100%
XYZ	30.3216, 29.7365, 98.7493
YIQ	132.3690, -92.7090, 11.6670

Conversions

Conversions Part 2

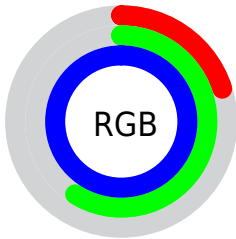
Format	Color
R _Y B	51, 118, 255
Decimal	3380991
CIE Lab	61.43, 7.91, -60.10
CIE LCh	61, 60.617, 277.499
Yxy	29.7365, 0.1909, 0.1872
Android (android.graphics.Color)	4281571071 (0xFF3396FF)
YUV	132.3690, 60.4571, -71.3606
Hunter-Lab	54.5312, 3.8238, -69.1951

Details

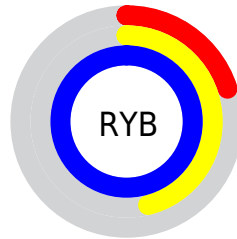
The XYZ color **30.3216, 29.7365, 98.7493** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **53.7295, 45.2822, 9.0427**, and the grayscale version is **21.8801, 23.0196, 25.0683**.

A 20% lighter version of the original color is **48.5450, 54.9949, 102.6642**, and **14.7502, 13.1916, 55.1949** is the 20% darker color. If you saturate the color by 10%, you get **27.3917, 25.2891, 98.0453**, and if you desaturate by 10%, it is **34.1917, 35.0174, 99.5647**.

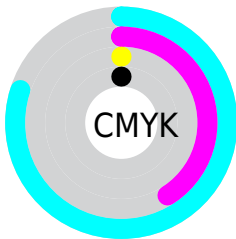
Distribution



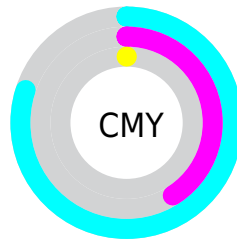
- Red (20%)
- Green (59%)
- Blue (100%)



- Red (20%)
- Yellow (46%)
- Blue (100%)



- Cyan (80%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3216, 29.7365, 98.7493 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 30.3216, 29.7365, 98.7493 by changing the saturation by 10% instead.

■ 30.3216, 29.7365,
98.7493

■ 30.3216, 29.7365,
98.7493

295.2836,
300.6743, 577.3877

■ 20.2321, 19.6387,
74.6454

■ 59.5535, 59.2452,
161.4742

■ 12.6731, 12.1327,
54.8224

■ 79.4267, 79.4249,
200.9323

■ 7.2793, 6.8341,
38.8619

■ 103.2918,
103.7340, 246.3456

■ 3.6852, 3.3586,
26.3453

■ 131.5142,
132.5569, 298.1325

■ 1.5257, 1.3217,
16.8541

164.4592,
166.2779, 356.7116

■ 0.3432, 0.1579,
9.9697

202.4922,

■ 0.0000, 0.0000,

205.2816, 422.5015

5.2735

245.9786,
249.9523, 495.9207

■ 0.0000, 0.0000,
2.3471

■ 0.0000, 0.0000,
0.7574

■ 30.3216, 29.7365,
98.7493

■ 30.3216, 29.7365,
98.7493

■ 27.3917, 25.2891,
98.0453

■ 34.1917, 35.0174,
99.5647

■ 25.2265, 21.5726,
97.4421

■ 39.1067, 41.1960,
100.4982

■ 25.2250, 21.5700,
97.4417

■ 45.1593, 48.3306,
101.5563

■ 52.4298, 56.4729,
102.7447

■ 60.9911, 65.6697,
104.0687

■ 70.9094, 75.9647,
105.5331

■ 82.2466, 87.3987,
107.1425

■ 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.



22.7699, 29.7365, 92.6127



30.3216, 29.7365, 98.7493



38.7137, 29.7365, 81.4911

Triad

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



30.3216, 29.7365, 98.7493



42.3275, 29.7365, 12.2661



16.2893, 29.7365, 18.2616

Complementary

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



30.3216, 29.7365, 98.7493



53.7295, 45.2822, 9.0427

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.



19.8868, 29.7365, 8.4776



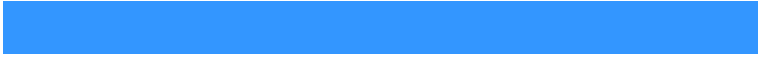
30.3216, 29.7365, 98.7493



34.5768, 29.7365, 6.3332

Square

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



30.3216, 29.7365, 98.7493



46.4475, 29.7365, 26.9561



26.3010, 29.7365, 5.3810



15.5791, 29.7365, 38.4821

Rectangle

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



30.3216, 29.7365, 98.7493



43.3438, 29.7365, 62.3300



26.3010, 29.7365, 5.3810



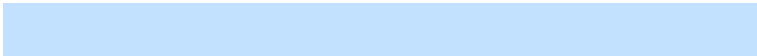
17.1629, 29.7365, 13.9907

Sweetspot

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



30.3227, 29.7374, 98.7494



66.7676, 71.7044, 104.9290



42.8768, 74.5245, 42.2660



13.5431, 14.5694, 22.3483



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.



30.3227, 29.7374, 98.7494



26.0265, 22.9836, 97.6723



20.6009, 10.2936, 95.5088



17.7306, 18.8327, 22.9505



13.3287, 11.5670, 50.9647



1.4066, 1.3439, 4.9985

Inverse Universe

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



47.9298, 25.8314, 31.3144



45.3125, 23.0661, 22.8292



77.5980, 93.0192, 16.9988



18.3766, 18.1340, 20.6005



23.5159, 11.8957, 11.3672



2.3446, 1.1802, 1.3960

Previews

White Background



This preview shows how the XYZ color 30.3216, 29.7365, 98.7493 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 30.3216, 29.7365, 98.7493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

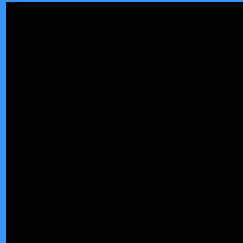
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

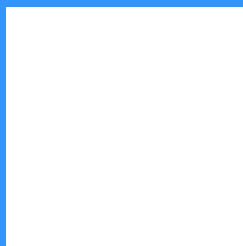
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.3216, 29.7365, 98.7493

Background



This preview shows how black text looks on a background with the XYZ color 30.3216, 29.7365, 98.7493.



This preview shows how white text looks on a background with the XYZ color 30.3216, 29.7365,

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

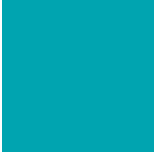
30.3216, 29.7365, 98.7493

Protanopia

32.5516, 29.6109, 93.6223

Deuteranopia

30.7841, 29.7390, 98.7255



Tritanopia

21.1119, 29.6855, 45.6915

Trichromacy



Original Color

30.3216, 29.7365, 98.7493

Protanomaly

31.2588, 29.3618, 95.2867

Deuteranomaly

30.5424, 29.6144, 98.7141

Tritanomaly

23.6861, 29.3425, 62.1729

Monochromacy



Original Color

30.3216, 29.7365, 98.7493

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.7619, 24.5231, 45.1287

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3216, 29.7365, 98.7493 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, 150, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 150, 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, 150, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 150, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.3216, 29.7365, 98.7493 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, 150, 255) }
```


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

```
.border{ border-color:rgb(51, 150, 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, 150, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 150, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 150, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 150,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3216, 29.7365, 98.7493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 150, 255) }
```

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

```
.background{ background-color: rgb(51, 150,  
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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