

Converting Colors

XYZ(30.7298, 30.0145, 97.7283)

Have a look what the booklet for
XYZ(30.7298, 30.0145, 97.7283)
contains.

XYZ(30.7202, 29.9605, 97.9298)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.7202, 29.9605,
97.9298)**

Conversions

Conversions Part 1

Format	Color
Hex	3D96FE
RGB	61, 150, 254
RGB Percent	24%, 59%, 100%
CMY	0.7607, 0.4118, 0.0039
CMYK	0.76, 0.41, 0.00, 0.00
HSL	212°, 99%, 62%
HSV	212°, 76%, 100%
XYZ	30.7202, 29.9605, 97.9298
YIQ	135.2450, -86.4280, 13.4760

Conversions

Conversions Part 2

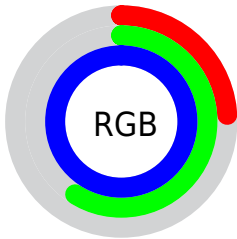
Format	Color
RYB	61, 122, 254
Decimal	4036350
CIELab	61.62, 8.57, -59.23
CIElCh	62, 59.844, 278.229
Yxy	29.9605, 0.1937, 0.1889
Android (android.graphics.Color)	4282226430 (0xFF3D96FE)
YUV	135.2450, 58.5462, -65.1129
Hunter-Lab	54.7362, 4.3932, -67.7618

Details

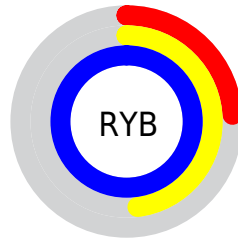
The XYZ color **30.7202, 29.9605, 97.9298** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **55.1740, 48.3238, 10.8365**, and the grayscale version is **22.9345, 24.1289, 26.2763**.

A 20% lighter version of the original color is **49.3157, 55.3923, 102.7003**, and **14.6352, 13.1456, 54.5893** is the 20% darker color. If you saturate the color by 10%, you get **27.4520, 25.2206, 97.1878**, and if you desaturate by 10%, it is **34.9855, 35.5938, 98.7930**.

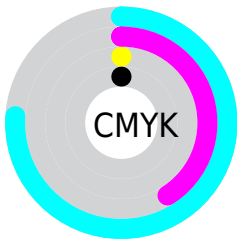
Distribution



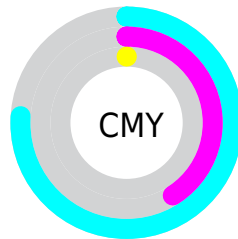
- Red (24%)
- Green (59%)
- Blue (100%)



- Red (24%)
- Yellow (48%)
- Blue (100%)



- Cyan (76%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)



- Cyan (76%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7202, 29.9605, 97.9298 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 30.7202, 29.9605, 97.9298 by changing the saturation by 10% instead.

■ 30.7202, 29.9605,
97.9298

■ 30.7202, 29.9605,
97.9298

297.0972,
301.7203, 574.7247

■ 20.5367, 19.8086,
73.9655

■ 60.1781, 59.5997,
160.3363

■ 12.8963, 12.2560,
54.2692

■ 80.1832, 79.8558,
199.6156

■ 7.4337, 6.9183,
38.4223

■ 104.1929,
104.2488, 244.8371

■ 3.7835, 3.4110,
26.0062

■ 132.5725,
133.1630, 296.4191

■ 1.5804, 1.3499,
16.6025

165.6873,
166.9829, 354.7804

■ 0.3796, 0.1794,
9.7925

203.9028,

■ 0.0000, 0.0000,

206.0928, 420.3394

5.1578

247.5843,
250.8771, 493.5146

■ 0.0000, 0.0000,
2.2798

■ 0.0000, 0.0000,
0.7199

■ 30.7202, 29.9605,
97.9298

■ 30.7202, 29.9605,
97.9298

■ 27.4520, 25.2206,
97.1878

■ 34.9855, 35.5938,
98.7930

■ 25.0539, 21.2947,
96.5565

■ 40.3449, 42.1820,
99.7822

■ 24.2648, 19.9063,
96.3301

■ 46.8865, 49.7825,
100.9045

■ 54.6876, 58.4466,
102.1656

■ 63.8185, 68.2213,
103.5711

■ 74.3440, 79.1504,
105.1259

■ 86.3244, 91.2752,
106.8347

■ 94.8895, 99.9358,
108.0550

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



23.1767, 29.9605, 92.4765



30.7202, 29.9605, 97.9298



39.0176, 29.9605, 80.4887

Triad

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



30.7202, 29.9605, 97.9298



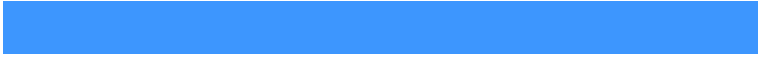
42.2457, 29.9605, 12.3436



16.5125, 29.9605, 18.9338

Complementary

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



30.7202, 29.9605, 97.9298



55.1740, 48.3238, 10.8365

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.



20.0288, 29.9605, 8.9064



30.7202, 29.9605, 97.9298



34.5283, 29.9605, 6.5218

Square

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



30.7202, 29.9605, 97.9298



46.4350, 29.9605, 26.7504



26.3449, 29.9605, 5.6506



15.8725, 29.9605, 39.2953

Rectangle

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



30.7202, 29.9605, 97.9298



43.5432, 29.9605, 61.5147



26.3449, 29.9605, 5.6506



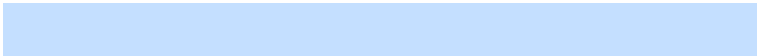
17.3609, 29.9605, 14.5793

Sweetspot

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



30.7215, 29.9614, 97.9306



67.3991, 71.9886, 104.9506



44.0630, 74.5550, 47.1622



13.6473, 14.5907, 22.3470



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.



30.7215, 29.9614, 97.9306



26.3780, 23.3531, 97.7251



21.9047, 11.7041, 94.8713



17.6932, 18.7580, 22.9381



12.9365, 10.7825, 50.8340



1.3674, 1.2655, 4.9855

Inverse Universe

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



48.0480, 26.6122, 31.4588



45.5712, 23.4811, 23.2314



74.8432, 91.0988, 18.0562



18.3578, 18.1264, 20.5013



23.3179, 11.8165, 10.3247



2.3248, 1.1723, 1.2919

Previews

White Background



This preview shows how the XYZ color 30.7202, 29.9605, 97.9298 looks on a white background.

Color Contrast Check

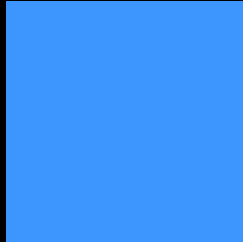
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.7202, 29.9605, 97.9298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

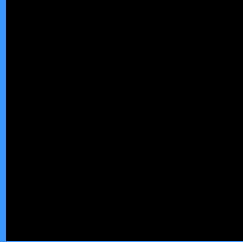
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

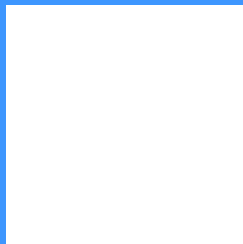
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.7202, 29.9605, 97.9298

Background



This preview shows how black text looks on a background with the XYZ color 30.7202, 29.9605, 97.9298.



This preview shows how white text looks on a background with the XYZ color 30.7202, 29.9605,

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

30.7202, 29.9605, 97.9298

Protanopia

32.7811, 29.7291, 93.6331

Deuteranopia

30.8836, 29.8089, 97.8919



Tritanopia

21.2113, 29.7252, 46.2146

Trichromacy



Original Color

30.7202, 29.9605, 97.9298

Protanomaly

31.7160, 29.5975, 95.3081

Deuteranomaly

30.7512, 29.7406, 97.8857

Tritanomaly

23.7485, 29.3746, 62.1758

Monochromacy



Original Color

30.7202, 29.9605, 97.9298

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.5983, 25.1587, 45.7318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7202, 29.9605, 97.9298 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(61, 150, 254)` looks like.

```
.text, #text, p{  
    color:rgb(61, 150, 254)  
}
```

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(61, 150, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 150, 254) }
```

Border

The CSS property to change the border of an element to XYZ 30.7202, 29.9605, 97.9298 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(61, 150, 254) }
```


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

```
.border{ border-color:rgb(61, 150, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 150, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 150, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 150, 254);  
box-shadow:4px 4px 4px 4px rgb(61, 150,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7202, 29.9605, 97.9298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 150, 254) }
```

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

```
.background{ background-color: rgb(61, 150,  
254) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor