

Converting Colors

XYZ(31.6264, 29.8890, 98.7100)

Have a look what the booklet for
XYZ(31.6264, 29.8890, 98.7100)
contains.

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Color

**XYZ(31.7005, 29.9776,
98.7232)**

Conversions

Conversions Part 1

Format	Color
Hex	4D94FF
RGB	77, 148, 255
RGB Percent	30%, 58%, 100%
CMY	0.6980, 0.4196, 0.0000
CMYK	0.70, 0.42, 0.00, 0.00
HSL	216°, 100%, 65%
HSV	216°, 70%, 100%
XYZ	31.7005, 29.9776, 98.7232
YIQ	138.9690, -76.6630, 18.2250

Conversions

Conversions Part 2

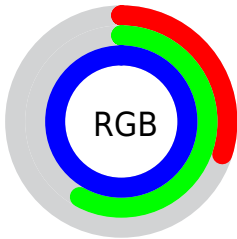
Format	Color
RYB	77, 128, 255
Decimal	5084415
CIELab	61.63, 12.11, -59.72
CIELCh	62, 60.938, 281.466
Yxy	29.9776, 0.1976, 0.1869
Android (android.graphics.Color)	4283274495 (0xFF4D94FF)
YUV	138.9690, 57.2033, -54.3468
Hunter-Lab	54.7518, 7.5333, -68.5798

Details

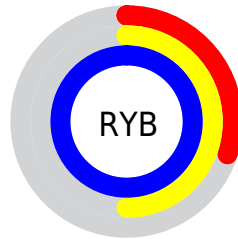
The XYZ color **31.7005, 29.9776, 98.7232** is a light color, and the websafe version is hex **6699FF**. The color can be described as light washed azure. A complement of this color would be **59.7227, 56.0814, 14.7004**, and the grayscale version is **24.3384, 25.6059, 27.8849**.

A 20% lighter version of the original color is **50.6721, 55.3904, 102.6284**, and **14.5607, 12.8126, 55.1317** is the 20% darker color. If you saturate the color by 10%, you get **27.7838, 24.6225, 97.8960**, and if you desaturate by 10%, it is **36.7437, 36.3868, 99.6945**.

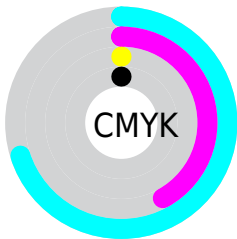
Distribution



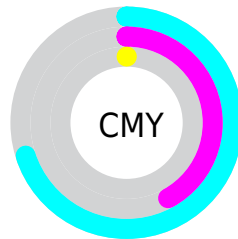
- Red (30%)
- Green (58%)
- Blue (100%)



- Red (30%)
- Yellow (50%)
- Blue (100%)



- Cyan (70%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)



- Cyan (70%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7005, 29.9776, 98.7232 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 31.7005, 29.9776, 98.7232 by changing the saturation by 10% instead.

■ 31.7005, 29.9776,
98.7232

■ 31.7005, 29.9776,
98.7232

301.5223,
301.8000, 577.3030

■ 21.2873, 19.8216,
74.6237

■ 61.7096, 59.6268,
161.4380

■ 13.4478, 12.2654,
54.8048

■ 82.0363, 79.8887,
200.8904

■ 7.8167, 6.9247,
38.8479

■ 106.3981,
104.2880, 246.2975

■ 4.0287, 3.4151,
26.3345

■ 135.1604,
133.2092, 298.0779

■ 1.7184, 1.3521,
16.8461

168.6887,
167.0366, 356.6501

■ 0.4677, 0.1810,
9.9640

207.3481,

■ 0.0000, 0.0000,

206.1546, 422.4327

5.2698

251.5042,
250.9476, 495.8441

■ 0.0000, 0.0000,
2.3449

■ 0.0000, 0.0000,
0.7562

■ 31.7005, 29.9776,
98.7232

■ 31.7005, 29.9776,
98.7232

■ 27.7838, 24.6225,
97.8960

■ 36.7437, 36.3868,
99.6945

■ 24.8776, 20.2423,
97.2037

■ 43.0060, 43.9143,
100.8174

■ 22.8090, 16.7286,
96.6345

■ 50.5732, 52.6212,
102.0992

■ 22.7724, 16.6649,
96.6241

■ 59.5220, 62.5629,
103.5464

■ 69.9227, 73.7905,
105.1654

■ 81.8406, 86.3523,
106.9619

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.



23.8258, 29.9776, 95.7781



31.7005, 29.9776, 98.7232



40.0931, 29.9776, 78.7386

Triad

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



31.7005, 29.9776, 98.7232



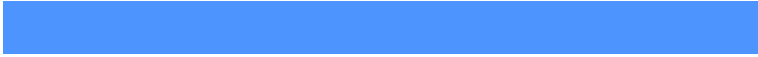
41.8213, 29.9776, 11.1257



16.1357, 29.9776, 20.4218

Complementary

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



31.7005, 29.9776, 98.7232



59.7227, 56.0814, 14.7004

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.



19.3783, 29.9776, 9.3351



31.7005, 29.9776, 98.7232



33.7326, 29.9776, 5.9925

Square

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



31.7005, 29.9776, 98.7232



46.6327, 29.9776, 24.5564



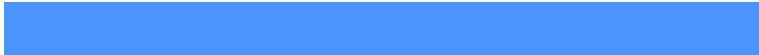
25.5091, 29.9776, 5.5447



15.7981, 29.9776, 42.3286

Rectangle

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



31.7005, 29.9776, 98.7232



44.4726, 29.9776, 58.9020



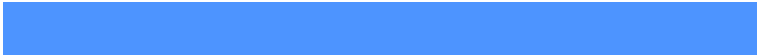
25.5091, 29.9776, 5.5447



16.8887, 29.9776, 15.6409

Sweetspot

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



31.7016, 29.9785, 98.7233



68.5950, 72.3728, 104.9617



47.4528, 76.5508, 57.5149



14.0462, 14.8085, 22.3680



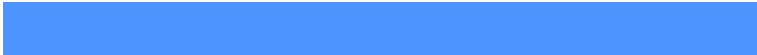
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



31.7016, 29.9785, 98.7233



26.4471, 22.6685, 97.5893



25.4044, 14.9522, 96.1548



17.5975, 18.5666, 22.9062



12.0352, 8.9800, 50.5336



1.2751, 1.0810, 4.9547

Inverse Universe

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



49.2401, 28.7076, 30.9634



45.8069, 24.3444, 22.1020



72.0922, 90.0952, 20.6138



18.3095, 18.1071, 20.2469



22.8630, 11.6345, 7.9291



2.2782, 1.1537, 1.0466

Previews

White Background



This preview shows how the XYZ color 31.7005, 29.9776, 98.7232 looks on a white background.

Color Contrast Check

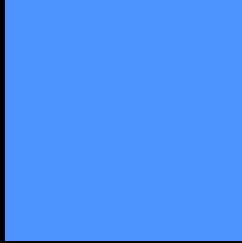
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.7005, 29.9776, 98.7232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

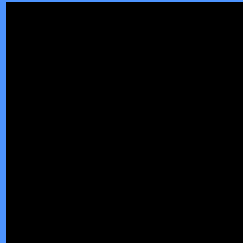
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

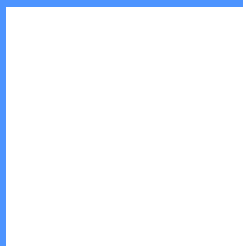
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7005, 29.9776, 98.7232

Background



This preview shows how black text looks on a background with the XYZ color 31.7005, 29.9776, 98.7232.



This preview shows how white text looks on a background with the XYZ color 31.7005, 29.9776,

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

31.7005, 29.9776, 98.7232

Protanopia

33.0234, 29.7996, 96.1068

Deuteranopia

31.2031, 30.1909, 98.7906



Tritanopia

21.2113, 29.7252, 46.2146

Trichromacy



Original Color

31.7005, 29.9776, 98.7232

Protanomaly

32.3692, 29.6698, 96.9493

Deuteranomaly

31.3232, 30.0170, 98.7507

Tritanomaly

23.7252, 29.1084, 62.1256

Monochromacy



Original Color

31.7005, 29.9776, 98.7232

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

25.2159, 26.3952, 47.4818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7005, 29.9776, 98.7232 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(77, 148, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 148, 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(77, 148, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 148, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.7005, 29.9776, 98.7232 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(77, 148, 255) }
```


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

```
.border{ border-color:rgb(77, 148, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 148, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 148, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 148, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 148,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7005, 29.9776, 98.7232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 148, 255) }
```

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

```
.background{ background-color: rgb(77, 148,  
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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