

Converting Colors

XYZ(31.4924, 30.2036, 98.7778)

Have a look what the booklet for
XYZ(31.4924, 30.2036, 98.7778)
contains.

XYZ(31.3960, 30.0545, 98.7541)	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(31.3960, 30.0545,
98.7541)**

Conversions

Conversions Part 1

Format	Color
Hex	4795FF
RGB	71, 149, 255
RGB Percent	28%, 58%, 100%
CMY	0.7215, 0.4157, 0.0000
CMYK	0.72, 0.42, 0.00, 0.00
HSL	215°, 100%, 64%
HSV	215°, 72%, 100%
XYZ	31.3960, 30.0545, 98.7541
YIQ	137.7620, -80.5140, 16.4300

Conversions

Conversions Part 2

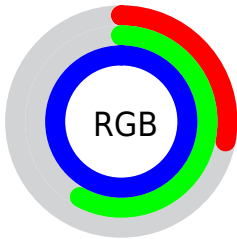
Format	Color
R _Y B	71, 126, 255
Decimal	4691455
CIE Lab	61.70, 10.71, -59.63
CIE LCh	62, 60.583, 280.186
Yxy	30.0545, 0.1960, 0.1876
Android (android.graphics.Color)	4282881535 (0xFF4795FF)
YUV	137.7620, 57.7983, -58.5503
Hunter-Lab	54.8220, 6.2867, -68.4272

Details

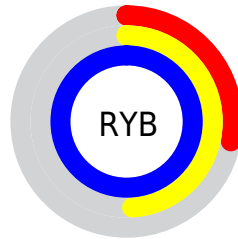
The XYZ color **31.3960, 30.0545, 98.7541** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **58.1022, 53.1640, 13.1628**, and the grayscale version is **23.8777, 25.1212, 27.3569**.

A 20% lighter version of the original color is **50.2212, 55.5073, 102.6748**, and **14.6549, 13.0009, 55.1631** is the 20% darker color. If you saturate the color by 10%, you get **27.7229, 24.9257, 97.9577**, and if you desaturate by 10%, it is **36.1485, 36.1756, 99.6851**.

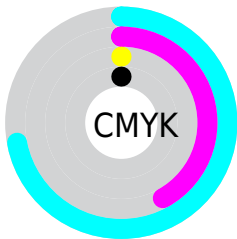
Distribution



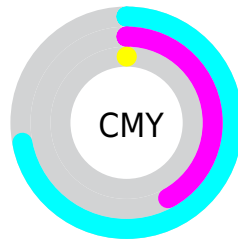
- Red (28%)
- Green (58%)
- Blue (100%)



- Red (28%)
- Yellow (49%)
- Blue (100%)



- Cyan (72%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)



- Cyan (72%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3960, 30.0545, 98.7541 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 31.3960, 30.0545, 98.7541 by changing the saturation by 10% instead.

■ 31.3960, 30.0545,
98.7541

■ 31.3960, 30.0545,
98.7541

300.1530,
302.1584, 577.4033

■ 21.0539, 19.8800,
74.6494

■ 61.2346, 59.7484,
161.4809

■ 13.2761, 12.3078,
54.8257

■ 81.4618, 80.0365,
200.9400

■ 7.6972, 6.9537,
38.8645

■ 105.7147,
104.4645, 246.3544

■ 3.9520, 3.4331,
26.3473

■ 134.3588,
133.4170, 298.1425

■ 1.6750, 1.3618,
16.8556

167.7593,
167.2782, 356.7229

■ 0.4406, 0.1883,
9.9707

206.2816,

■ 0.0000, 0.0000,

206.4326, 422.5141

5.2742

250.2910,
251.2645, 495.9348

■ 0.0000, 0.0000,
2.3475

■ 0.0000, 0.0000,
0.7576

■ 31.3960, 30.0545,
98.7541

■ 31.3960, 30.0545,
98.7541

■ 27.7229, 24.9257,
97.9577

■ 36.1485, 36.1756,
99.6851

■ 25.0095, 20.7104,
97.2871

■ 42.0747, 43.3521,
100.7580

■ 23.4220, 17.9640,
96.8407

■ 49.2613, 51.6434,
101.9796

■ 57.7852, 61.1032,
103.3562

■ 67.7169, 71.7811,
104.8938

■ 79.1215, 83.7233,
106.5978

■ 92.0598, 96.9737,
108.4735

■ 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.



23.6270, 30.0545, 94.7814



31.3960, 30.0545, 98.7541



39.7817, 30.0545, 79.7066

Triad

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



31.3960, 30.0545, 98.7541



42.1203, 30.0545, 11.6232



16.3230, 30.0545, 19.8647

Complementary

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



31.3960, 30.0545, 98.7541



58.1022, 53.1640, 13.1628

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.



19.6852, 30.0545, 9.1760



31.3960, 30.0545, 98.7541



34.1491, 30.0545, 6.2067

Square

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



31.3960, 30.0545, 98.7541



46.7008, 30.0545, 25.4841



25.9112, 30.0545, 5.5916



15.8637, 30.0545, 41.2202

Rectangle

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



31.3960, 30.0545, 98.7541



44.2372, 30.0545, 60.1315



25.9112, 30.0545, 5.5916



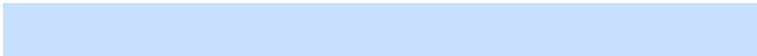
17.1164, 30.0545, 15.2424

Sweetspot

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



31.3971, 30.0554, 98.7542



67.8788, 71.9528, 104.9184



46.1241, 75.9659, 52.9297



13.9205, 14.7536, 22.3640



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.



31.3971, 30.0554, 98.7542



26.2956, 22.7731, 97.6175



23.8960, 13.5798, 95.9695



17.6359, 18.6434, 22.9190



12.3789, 9.6674, 50.6481



1.3108, 1.1522, 4.9666

Inverse Universe

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



48.9190, 27.9381, 31.2486



45.6310, 23.8933, 22.3497



73.7682, 90.9825, 19.6368



18.3289, 18.1149, 20.3490



23.0365, 11.7039, 8.8427



2.2962, 1.1609, 1.1413

Previews

White Background



This preview shows how the XYZ color 31.3960, 30.0545, 98.7541 looks on a white background.

Color Contrast Check

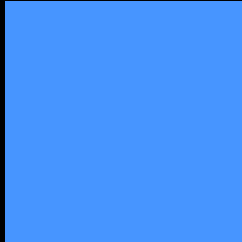
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3960, 30.0545, 98.7541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

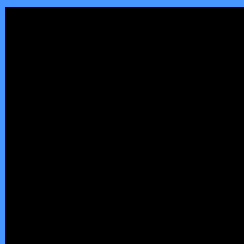
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

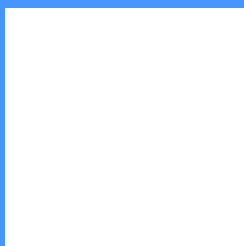
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3960, 30.0545, 98.7541

Background



This preview shows how black text looks on a background with the XYZ color 31.3960, 30.0545, 98.7541.



This preview shows how white text looks on a background with the XYZ color 31.3960, 30.0545,

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

31.3960, 30.0545, 98.7541

Protanopia

33.1315, 30.0994, 95.3303

Deuteranopia

31.2031, 30.1909, 98.7906



Tritanopia

21.2113, 29.7252, 46.2146

Trichromacy



Original Color

31.3960, 30.0545, 98.7541

Protanomaly

32.1640, 29.8102, 96.1542

Deuteranomaly

31.3402, 30.2616, 98.7970

Tritanomaly

23.8436, 29.4237, 62.1803

Monochromacy



Original Color

31.3960, 30.0545, 98.7541

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

24.9529, 26.2596, 47.4695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3960, 30.0545, 98.7541 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(71, 149, 255)` looks like.

```
.text, #text, p{  
    color:rgb(71, 149, 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(71, 149, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 149, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.3960, 30.0545, 98.7541 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(71, 149, 255) }
```


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

```
.border{ border-color:rgb(71, 149, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 149, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 149, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 149, 255);  
box-shadow:4px 4px 4px 4px rgb(71, 149,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3960, 30.0545, 98.7541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 149, 255) }
```

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

```
.background{ background-color: rgb(71, 149,  
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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