

Converting Colors

XYZ(34.3208, 31.3290, 90.4644)

Have a look what the booklet for
XYZ(34.3208, 31.3290, 90.4644)
contains.

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Color

**XYZ(34.3864, 31.3116,
90.6176)**

Conversions

Conversions Part 1

Format	Color
Hex	7693F5
RGB	118, 147, 245
RGB Percent	46%, 58%, 96%
CMY	0.5372, 0.4235, 0.0392
CMYK	0.52, 0.40, 0.00, 0.04
HSL	226°, 86%, 71%
HSV	226°, 52%, 96%
XYZ	34.3864, 31.3116, 90.6176
YIQ	149.5010, -48.7420, 24.3300

Conversions

Conversions Part 2

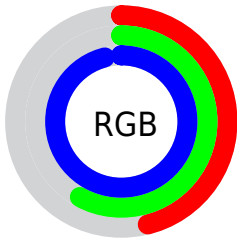
Format	Color
R _Y B	118, 142, 245
Decimal	7771125
CIE Lab	62.77, 16.75, -52.32
CIE LCh	63, 54.932, 287.754
Yxy	31.3116, 0.2200, 0.2003
Android (android.graphics.Color)	4285961205 (0xFF7693F5)
YUV	149.5010, 47.0810, -27.6264
Hunter-Lab	55.9568, 11.7670, -56.8458

Details

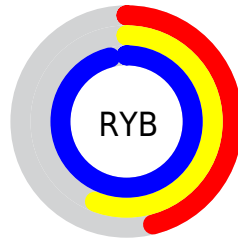
The XYZ color **34.3864, 31.3116, 90.6176** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **65.4840, 69.8350, 27.1696**, and the grayscale version is **28.6017, 30.0912, 32.7693**.

A 20% lighter version of the original color is **57.0681, 58.3404, 102.8608**, and **14.9827, 13.0210, 49.3006** is the 20% darker color. If you saturate the color by 10%, you get **28.7788, 24.4096, 89.5816**, and if you desaturate by 10%, it is **41.3435, 39.6273, 91.8567**.

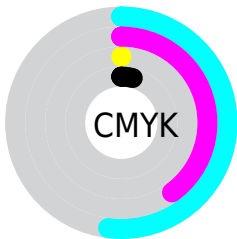
Distribution



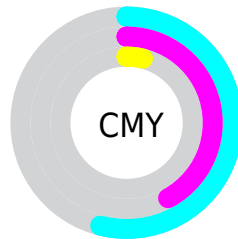
- Red (46%)
- Green (58%)
- Blue (96%)



- Red (46%)
- Yellow (56%)
- Blue (96%)



- Cyan (52%)
- Magenta (40%)
- Yellow (0%)
- Black (4%)



- Cyan (54%)
- Magenta (42%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.3864, 31.3116, 90.6176 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 34.3864, 31.3116, 90.6176 by changing the saturation by 10% instead.

■ 34.3864, 31.3116,
90.6176

■ 34.3864, 31.3116,
90.6176

313.4073,
307.9713, 550.6597

■ 23.3549, 20.8362,
67.9164

■ 65.8744, 61.7303,
150.1390

■ 14.9779, 13.0044,
49.3635

■ 87.0616, 82.4425,
187.7962

■ 8.8901, 7.4315,
34.5402

■ 112.3648,
107.3357, 231.2759

■ 4.7261, 3.7334,
23.0282

142.1493,
136.7943, 280.9966

■ 2.1206, 1.5256,
14.4089

176.7804,
171.2028, 337.3767

■ 0.7004, 0.3066,
8.2636

216.6235,

■ 0.0000, 0.0000,

210.9456, 400.8349

4.1739

262.0440,
256.4069, 471.7898

■ 0.0000, 0.0000,
1.7212

■ 0.0000, 0.0000,
0.3752

■ 34.3864, 31.3116,
90.6176

■ 34.3864, 31.3116,
90.6176

■ 28.7788, 24.4096,
89.5816

■ 41.3435, 39.6273,
91.8567

■ 24.4251, 18.8359,
88.7352

■ 49.7294, 49.4291,
93.3066

■ 21.2223, 14.4996,
88.0670

■ 59.6215, 60.7877,
94.9777

■ 19.0475, 11.2961,
87.5633

■ 71.0904, 73.7685,
96.8787

■ 17.8928, 9.4151,
87.2611

■ 84.2022, 88.4331,
99.0182

■ 93.4816, 99.3726,
100.6407

Harmonies

Analogous

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



26.8008, 31.3116, 92.6065



34.3864, 31.3116, 90.6176



41.7857, 31.3116, 70.1549

Triad

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



34.3864, 31.3116, 90.6176



40.5669, 31.3116, 11.7230



17.7587, 31.3116, 26.0497

Complementary

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



34.3864, 31.3116, 90.6176



65.4840, 69.8350, 27.1696

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.



20.2972, 31.3116, 13.1577



34.3864, 31.3116, 90.6176



32.9309, 31.3116, 7.5396

Square

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



34.3864, 31.3116, 90.6176



45.7463, 31.3116, 22.9700



25.5697, 31.3116, 7.9222



18.0146, 31.3116, 48.3278

Rectangle

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



34.3864, 31.3116, 90.6176



45.2326, 31.3116, 52.2751



25.5697, 31.3116, 7.9222



18.2931, 31.3116, 20.7072

Sweetspot

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



34.3876, 31.3127, 90.6184



72.3656, 74.5976, 105.1924



52.4379, 74.0826, 76.0743



14.9365, 15.3412, 22.4239



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.



34.3876, 31.3127, 90.6184



31.3564, 26.5304, 98.0760



35.8855, 26.2139, 89.5553



15.8881, 16.5405, 20.8978



9.7248, 5.2434, 47.0375



0.9293, 0.6101, 4.1590

Inverse Universe

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



49.4022, 34.4776, 31.6557



49.7390, 31.4843, 25.6451



62.8259, 80.4824, 29.3648



16.6541, 16.5445, 17.9251



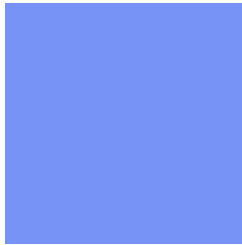
20.7131, 10.6287, 3.1978



1.8582, 0.9492, 0.4794

Previews

White Background



This preview shows how the XYZ color 34.3864, 31.3116, 90.6176 looks on a white background.

Color Contrast Check

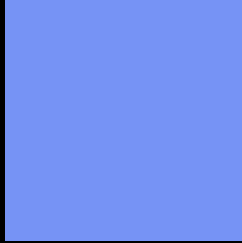
Large Text (above 18pt) WCAG AA × Fail

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 34.3864, 31.3116, 90.6176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

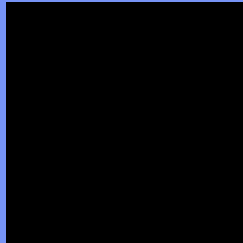
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.3864, 31.3116, 90.6176

Background



This preview shows how black text looks on a background with the XYZ color 34.3864, 31.3116, 90.6176.



This preview shows how white text looks on a background with the XYZ color 34.3864, 31.3116,

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

34.3864, 31.3116, 90.6176

Protanopia

34.0345, 31.3443, 91.4450

Deuteranopia

32.3812, 31.4749, 89.9565



Tritanopia

25.3775, 31.3687, 45.2747

Trichromacy



Original Color

34.3864, 31.3116, 90.6176

Protanomaly

34.2947, 31.4785, 91.4572

Deuteranomaly

32.9444, 31.2874, 89.8907

Tritanomaly

28.0758, 31.1676, 59.1798

Monochromacy



Original Color

34.3864, 31.3116, 90.6176

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.9856, 30.4009, 50.1865

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3864, 31.3116, 90.6176 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(118, 147, 245)` looks like.

```
.text, #text, p{  
    color:rgb(118, 147, 245)  
}
```

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(118, 147, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 147, 245) }
```

Border

The CSS property to change the border of an element to XYZ 34.3864, 31.3116, 90.6176 is called "border". The border property can be set on classes, ids or directly on the HTML element.

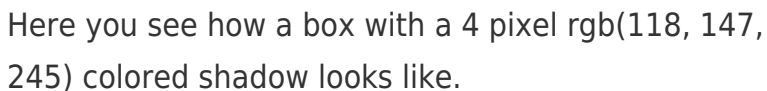
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 147, 245) }
```


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

```
.border{ border-color:rgb(118, 147, 245) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 147, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 147, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 147, 245); box-shadow:4px 4px 4px 4px rgb(118, 147, 245) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3864, 31.3116, 90.6176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 147, 245) }
```

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

```
.background{ background-color: rgb(118,  
147, 245) }
```

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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