

Converting Colors

XYZ(33.4567, 31.0536, 80.5745)

Have a look what the booklet for
XYZ(33.4567, 31.0536, 80.5745)
contains.

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Color

**XYZ(33.4567, 31.0536,
80.5745)**

Conversions

Conversions Part 1

Format	Color
Hex	7D93E8
RGB	125, 147, 232
RGB Percent	49%, 58%, 91%
CMY	0.5098, 0.4235, 0.0902
CMYK	0.46, 0.37, 0.00, 0.09
HSL	228°, 70%, 70%
HSV	228°, 46%, 91%
XYZ	33.4567, 31.0536, 80.5745
YIQ	150.1120, -40.3970, 21.7710

Conversions

Conversions Part 2

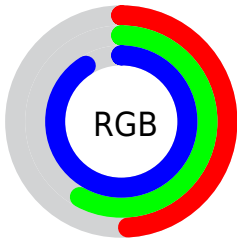
Format	Color
RYB	125, 143, 232
Decimal	8229864
CIELab	62.55, 14.45, -45.47
CIElCh	63, 47.705, 287.626
Yxy	31.0536, 0.2306, 0.2140
Android (android.graphics.Color)	4286419944 (0xFF7D93E8)
YUV	150.1120, 40.3708, -22.0232
Hunter-Lab	55.7258, 9.6480, -46.7200

Details

The XYZ color **33.4567, 31.0536, 80.5745** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **60.0285, 64.7319, 28.7345**, and the grayscale version is **28.8844, 30.3886, 33.0932**.

A 20% lighter version of the original color is **58.2280, 58.9384, 102.9150**, and **14.4951, 12.9129, 42.8028** is the 20% darker color. If you saturate the color by 10%, you get **27.8170, 24.2276, 79.5548**, and if you desaturate by 10%, it is **40.3488, 39.2079, 81.7858**.

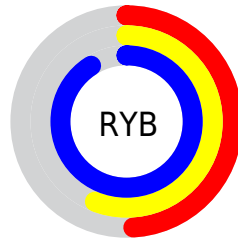
Distribution



Red (49%)

Green (58%)

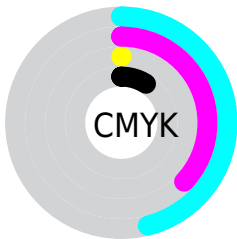
Blue (91%)



Red (49%)

Yellow (56%)

Blue (91%)

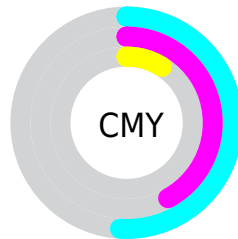


Cyan (46%)

Magenta (37%)

Yellow (0%)

Black (9%)



Cyan (51%)

Magenta (42%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4567, 31.0536, 80.5745 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 33.4567, 31.0536, 80.5745 by changing the saturation by 10% instead.

■ 33.4567, 31.0536,
80.5745

■ 33.4567, 31.0536,
80.5745

309.3314,
306.7852, 516.6246

■ 22.6374, 20.6397,
59.6623

■ 64.4378, 61.3245,
135.9918

■ 14.4452, 12.8609,
42.7230

■ 85.3304, 81.9502,
171.3340

■ 8.5148, 7.3328,
29.3380

■ 110.3114,
106.7486, 212.3233

■ 4.4806, 3.6711,
19.0889

139.7463,
136.1041, 259.3782

■ 1.9775, 1.4913,
11.5571

174.0004,
170.4011, 312.9172

■ 0.6213, 0.2826,
6.3240

213.4390,

■ 0.0000, 0.0000,

210.0241, 373.3589

2.9711

258.4276,
255.3573, 441.1218

■ 0.0000, 0.0000,
1.0799

■ 0.0000, 0.0000,
0.0000

■ 33.4567, 31.0536,
80.5745

■ 33.4567, 31.0536,
80.5745

■ 27.8170, 24.2276,
79.5548

■ 40.3488, 39.2079,
81.7858

■ 23.3485, 18.6540,
78.7145

■ 48.5607, 48.7539,
83.1955

■ 19.9656, 14.2542,
78.0436

■ 58.1589, 59.7548,
84.8130

■ 17.5687, 10.9386,
77.5299

■ 69.2046, 72.2690,
86.6464

■ 16.0374, 8.6025,
77.1597

■ 81.7549, 86.3515,
88.7031

■ 15.6102, 7.9154,
77.0496

■ 91.5656, 98.6062,
90.5514

Harmonies

Analogous

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



26.9220, 31.0536, 82.0959



33.4567, 31.0536, 80.5745



39.7247, 31.0536, 64.0614

Triad

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



33.4567, 31.0536, 80.5745



38.7474, 31.0536, 13.6893



18.9297, 31.0536, 26.7191

Complementary

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



33.4567, 31.0536, 80.5745



60.0285, 64.7319, 28.7345

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.



21.2250, 31.0536, 14.9959



33.4567, 31.0536, 80.5745



32.2704, 31.0536, 9.5428

Square

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



33.4567, 31.0536, 80.5745



43.0735, 31.0536, 24.1059



25.8967, 31.0536, 9.9121



19.1506, 31.0536, 45.8262

Rectangle

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



33.4567, 31.0536, 80.5745



42.6204, 31.0536, 49.3174



25.8967, 31.0536, 9.9121



19.4168, 31.0536, 21.9538

Sweetspot

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



33.4579, 31.0547, 80.5753



74.7243, 77.0678, 105.5449



48.8012, 66.6685, 70.5000



15.3928, 15.8115, 22.4906



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.



33.4579, 31.0547, 80.5753



34.9977, 30.6685, 98.6828



35.4791, 27.4951, 79.7817



13.8217, 14.3647, 18.1885



8.7384, 4.5388, 42.7987



0.7114, 0.4667, 3.1846

Inverse Universe

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



45.8799, 33.9312, 31.7359



52.3445, 35.4654, 30.3056



56.8309, 71.7072, 30.2494



14.4976, 14.4162, 15.5546



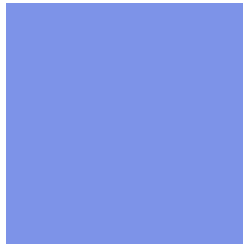
18.8042, 9.6559, 2.5981



1.4227, 0.7268, 0.3665

Previews

White Background



This preview shows how the XYZ color 33.4567, 31.0536, 80.5745 looks on a white background.

Color Contrast Check

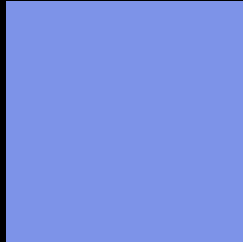
Large Text (above 18pt) WCAG AA × Fail

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 33.4567, 31.0536, 80.5745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

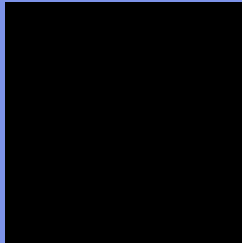
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.4567, 31.0536, 80.5745

Background



This preview shows how black text looks on a background with the XYZ color 33.4567, 31.0536, 80.5745.



This preview shows how white text looks on a background with the XYZ color 33.4567, 31.0536,

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

33.4567, 31.0536, 80.5745

Protanopia

33.0436, 31.0561, 81.3436

Deuteranopia

31.8857, 30.9617, 79.8970



Tritanopia

26.0289, 30.9630, 43.6343

Trichromacy



Original Color

33.4567, 31.0536, 80.5745

Protanomaly

33.3239, 31.2006, 81.3567

Deuteranomaly

32.3737, 30.9774, 79.8743

Tritanomaly

28.3984, 30.9151, 55.5094

Monochromacy



Original Color

33.4567, 31.0536, 80.5745

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.9702, 30.4529, 47.4784

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4567, 31.0536, 80.5745 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(125, 147, 232)` looks like.

```
.text, #text, p{  
    color:rgb(125, 147, 232)  
}
```

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(125, 147, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 147, 232) }
```

Border

The CSS property to change the border of an element to XYZ 33.4567, 31.0536, 80.5745 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(125, 147, 232) }
```


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

```
.border{ border-color:rgb(125, 147, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 147, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 147, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 147, 232);  
box-shadow:4px 4px 4px 4px rgb(125, 147,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4567, 31.0536, 80.5745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 147, 232) }
```

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

```
.background{ background-color: rgb(125,  
147, 232) }
```

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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