

Converting Colors

XYZ(31.2950, 30.0777, 73.2633)

Have a look what the booklet for
XYZ(31.2950, 30.0777, 73.2633)
contains.

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Color

**XYZ(31.3643, 30.1344,
73.2707)**

Conversions

Conversions Part 1

Format	Color
Hex	7893DE
RGB	120, 147, 222
RGB Percent	47%, 58%, 87%
CMY	0.5294, 0.4235, 0.1294
CMYK	0.46, 0.34, 0.00, 0.13
HSL	224°, 61%, 67%
HSV	224°, 46%, 87%
XYZ	31.3643, 30.1344, 73.2707
YIQ	147.4770, -40.1670, 17.6010

Conversions

Conversions Part 2

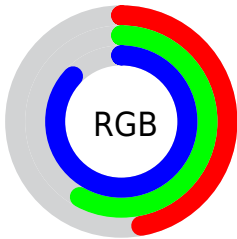
Format	Color
RYB	120, 141, 222
Decimal	7902174
CIELab	61.77, 10.30, -41.18
CIELCh	62, 42.444, 284.046
Yxy	30.1344, 0.2327, 0.2236
Android (android.graphics.Color)	4286092254 (0xFF7893DE)
YUV	147.4770, 36.7398, -24.0973
Hunter-Lab	54.8948, 5.9206, -40.7108

Details

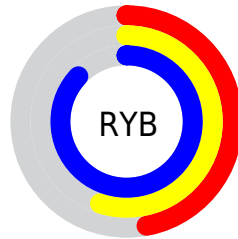
The XYZ color **31.3643, 30.1344, 73.2707** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **53.0309, 55.9178, 25.7691**, and the grayscale version is **27.7960, 29.2436, 31.8463**.

A 20% lighter version of the original color is **56.8411, 58.2234, 102.8501**, and **13.2075, 12.3593, 37.7659** is the 20% darker color. If you saturate the color by 10%, you get **26.2740, 24.0061, 72.3567**, and if you desaturate by 10%, it is **37.5307, 37.3533, 74.3397**.

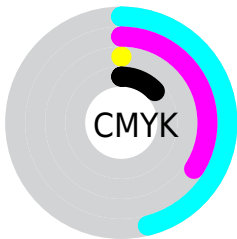
Distribution



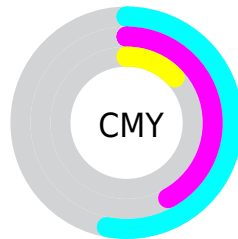
- Red (47%)
- Green (58%)
- Blue (87%)



- Red (47%)
- Yellow (55%)
- Blue (87%)



- Cyan (46%)
- Magenta (34%)
- Yellow (0%)
- Black (13%)



- Cyan (53%)
- Magenta (42%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3643, 30.1344, 73.2707 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 31.3643, 30.1344, 73.2707 by changing the saturation by 10% instead.

■ 31.3643, 30.1344,
73.2707

■ 31.3643, 30.1344,
73.2707

300.0101,
302.5304, 491.0484

■ 21.0296, 19.9406,
53.7042

■ 61.1851, 59.8747,
125.5859

■ 13.2582, 12.3519,
37.9736

■ 81.4019, 80.1899,
159.1717

■ 7.6848, 6.9838,
25.6606

■ 105.6435,
104.6478, 198.2676

■ 3.9440, 3.4520,
16.3464

134.2752,
133.6327, 243.2922

■ 1.6705, 1.3720,
9.6126

167.6624,
167.5291, 294.6640

■ 0.4377, 0.1960,
5.0406

206.1703,

■ 0.0000, 0.0000,

206.7212, 352.8017

2.2120

250.1645,
251.5935, 418.1236

■ 0.0000, 0.0000,
0.6813

■ 0.0000, 0.0000,
0.0000

■ 31.3643, 30.1344,
73.2707

■ 31.3643, 30.1344,
73.2707

■ 26.2740, 24.0061,
72.3567

■ 37.5307, 37.3533,
74.3397

■ 22.1915, 18.9090,
71.5880

■ 44.8292, 45.7111,
75.5682

■ 19.0450, 14.7829,
70.9574

■ 53.3161, 55.2572,
76.9635

■ 16.7514, 11.5588,
70.4560

■ 63.0425, 66.0370,
78.5316

■ 15.2100, 9.1567,
70.0736

■ 74.0565, 78.0935,
80.2782

■ 14.7366, 8.3774,
69.9481

■ 86.4039, 91.4674,
82.2088

■ 90.1849, 98.0540,
83.2809

Harmonies

Analogous

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



25.7542, 30.1344, 72.8128



31.3643, 30.1344, 73.2707



36.8912, 30.1344, 60.6899

Triad

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



31.3643, 30.1344, 73.2707



37.1953, 30.1344, 15.5663



19.4030, 30.1344, 24.9703

Complementary

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



31.3643, 30.1344, 73.2707



53.0309, 55.9178, 25.7691

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.



21.7242, 30.1344, 15.1242



31.3643, 30.1344, 73.2707



31.7376, 30.1344, 11.0456

Square

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



31.3643, 30.1344, 73.2707



40.5458, 30.1344, 25.8152



26.0817, 30.1344, 10.9162



19.3307, 30.1344, 40.9692

Rectangle

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



31.3643, 30.1344, 73.2707



39.5803, 30.1344, 48.4244



26.0817, 30.1344, 10.9162



19.9308, 30.1344, 20.9765

Sweetspot

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



31.3654, 30.1355, 73.2714



75.3038, 78.2267, 105.7381



43.6959, 60.1676, 60.8229



15.5325, 16.0908, 22.5371



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.



31.3654, 30.1355, 73.2714



36.2949, 33.2630, 99.1152



31.3694, 24.6198, 72.2066



13.2456, 13.8304, 17.3591



8.8310, 5.1316, 41.5734



0.6845, 0.5005, 2.9058

Inverse Universe

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



42.1082, 31.0705, 31.3825



52.9993, 35.7273, 33.7537



52.8539, 65.6324, 27.6535



13.8554, 13.7598, 15.0090



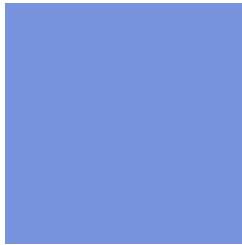
18.3977, 9.4261, 3.4940



1.3118, 0.6680, 0.4346

Previews

White Background



This preview shows how the XYZ color 31.3643, 30.1344, 73.2707 looks on a white background.

Color Contrast Check

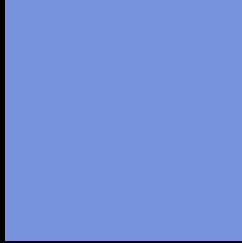
Large Text (above 18pt) WCAG AA × Fail

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 31.3643, 30.1344, 73.2707 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 31.3643, 30.1344, 73.2707

Background



This preview shows how black text looks on a background with the XYZ color 31.3643, 30.1344, 73.2707.

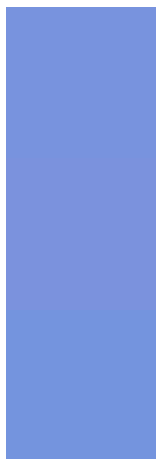


This preview shows how white text looks on a background with the XYZ color 31.3643, 30.1344,

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

31.3643, 30.1344, 73.2707

Protanopia

31.4984, 29.9892, 72.5350

Deuteranopia

30.9772, 30.1667, 73.2973



Tritanopia

25.1384, 30.0195, 42.4996

Trichromacy



Original Color

31.3643, 30.1344, 73.2707

Protanomaly

31.3561, 29.9158, 72.5283

Deuteranomaly

31.1108, 30.2356, 73.3036

Tritanomaly

27.0069, 29.7716, 52.4672

Monochromacy



Original Color

31.3643, 30.1344, 73.2707

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.3902, 29.2418, 44.1923

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3643, 30.1344, 73.2707 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(120, 147, 222)` looks like.

```
.text, #text, p{  
    color:rgb(120, 147, 222)  
}
```

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(120, 147, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 147, 222) }
```

Border

The CSS property to change the border of an element to XYZ 31.3643, 30.1344, 73.2707 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(120, 147, 222) }
```


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

```
.border{ border-color:rgb(120, 147, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 147, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 147, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 147, 222);  
box-shadow:4px 4px 4px 4px rgb(120, 147,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3643, 30.1344, 73.2707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 147, 222) }
```

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

```
.background{ background-color: rgb(120,  
147, 222) }
```

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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