

Converting Colors

XYZ(31.7855, 33.6878, 78.2259)

Have a look what the booklet for
XYZ(31.7855, 33.6878, 78.2259)
contains.

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Color

**XYZ(31.7855, 33.6878,
78.2259)**

Conversions

Conversions Part 1

Format	Color
Hex	62A1E4
RGB	98, 161, 228
RGB Percent	38%, 63%, 89%
CMY	0.6157, 0.3686, 0.1059
CMYK	0.57, 0.29, 0.00, 0.11
HSL	211°, 71%, 64%
HSV	211°, 57%, 89%
XYZ	31.7855, 33.6878, 78.2259
YIQ	149.8010, -59.0550, 7.4810

Conversions

Conversions Part 2

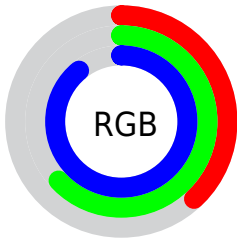
Format	Color
R _Y B	98, 140, 228
Decimal	6463972
CIE Lab	64.71, -0.85, -39.96
CIE LCh	65, 39.974, 268.784
Yxy	33.6878, 0.2212, 0.2344
Android (android.graphics.Color)	4284654052 (0xFF62A1E4)
YUV	149.8010, 38.5521, -45.4295
Hunter-Lab	58.0412, -3.8189, -39.2802

Details

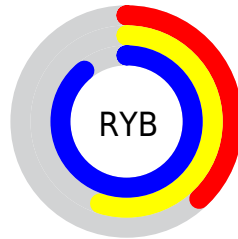
The XYZ color **31.7855, 33.6878, 78.2259** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **47.6564, 44.2886, 17.5939**, and the grayscale version is **28.7662, 30.2643, 32.9578**.

A 20% lighter version of the original color is **56.5105, 63.4998, 103.8860**, and **13.5012, 14.3773, 41.0932** is the 20% darker color. If you saturate the color by 10%, you get **27.7088, 28.6800, 77.4748**, and if you desaturate by 10%, it is **36.7582, 39.4451, 79.0757**.

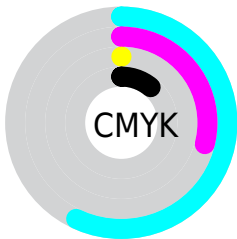
Distribution



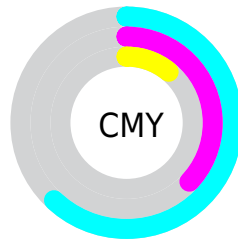
- Red (38%)
- Green (63%)
- Blue (89%)



- Red (38%)
- Yellow (55%)
- Blue (89%)



- Cyan (57%)
- Magenta (29%)
- Yellow (0%)
- Black (11%)



- Cyan (62%)
- Magenta (37%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7855, 33.6878, 78.2259 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 31.7855, 33.6878, 78.2259 by changing the saturation by 10% instead.

■ 31.7855, 33.6878,
78.2259

■ 31.7855, 33.6878,
78.2259

301.9037,
318.7377, 508.4819

■ 21.3525, 22.6539,
57.7420

■ 61.8421, 65.4479,
132.6573

■ 13.4958, 14.3381,
41.1880

■ 82.1964, 86.9428,
167.4419

■ 7.8502, 8.3562,
28.1452

■ 106.5886,
112.6935, 207.8304

■ 4.0502, 4.3237,
18.1951

■ 135.3838,
143.0844, 254.2415

■ 1.7306, 1.8562,
10.9193

168.9476,
178.4999, 307.0937

■ 0.4753, 0.5219,
5.8991

207.6453,

■ 0.0000, 0.0000,

219.3243, 366.8054

2.7160

251.8422,
265.9421, 433.7953

■ 0.0000, 0.0000,
0.9515

■ 0.0000, 0.0000,
0.0000

■ 31.7855, 33.6878,
78.2259

■ 31.7855, 33.6878,
78.2259

■ 27.7088, 28.6800,
77.4748

■ 36.7582, 39.4451,
79.0757

■ 24.4578, 24.3761,
76.8154

■ 42.6823, 45.9864,
80.0261

■ 21.9565, 20.7291,
76.2433

■ 49.6128, 53.3478,
81.0817

■ 20.1059, 17.6794,
75.7522

■ 57.5990, 61.5619,
82.2463

■ 19.6325, 16.8591,
75.6188

■ 66.6870, 70.6591,
83.5232

■ 76.9199, 80.6682,
84.9159

■ 87.3723, 91.1186,
86.3821

■ 91.0037, 98.3815,
87.5926

Harmonies

Analogous

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



26.6330, 33.6878, 70.8969



31.7855, 33.6878, 78.2259



37.6329, 33.6878, 71.9432

Triad

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



31.7855, 33.6878, 78.2259



42.6992, 33.6878, 23.4686



23.4775, 33.6878, 22.6161

Complementary

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



31.7855, 33.6878, 78.2259



47.6564, 44.2886, 17.5939

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.



26.9936, 33.6878, 15.3662



31.7855, 33.6878, 78.2259



38.0867, 33.6878, 15.7449

Square

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



31.7855, 33.6878, 78.2259



44.3697, 33.6878, 37.3554



32.2541, 33.6878, 13.2853



22.2039, 33.6878, 36.0133

Rectangle

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



31.7855, 33.6878, 78.2259



41.0596, 33.6878, 61.6980



32.2541, 33.6878, 13.2853



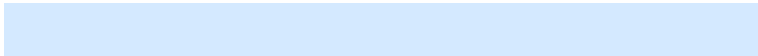
24.4139, 33.6878, 19.5464

Sweetspot

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



31.7867, 33.6890, 78.2267



74.1426, 79.2491, 105.9966



39.3927, 60.7289, 44.2979



15.4006, 16.4855, 22.6203



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.



31.7867, 33.6890, 78.2267



35.0639, 36.1338, 99.7342



23.4099, 16.9353, 75.4344



14.1564, 15.0342, 18.3001



11.4541, 9.9703, 43.7039



0.9391, 0.9221, 3.2605

Inverse Universe

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



42.7968, 27.8041, 36.8302



51.0762, 29.9740, 38.9920



61.9438, 72.8634, 22.3563



14.6665, 14.4838, 16.4443



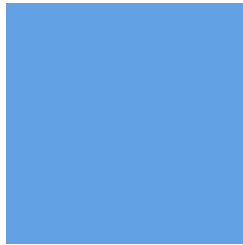
20.1750, 10.2042, 9.8165



1.5376, 0.7728, 0.9718

Previews

White Background



This preview shows how the XYZ color 31.7855, 33.6878, 78.2259 looks on a white background.

Color Contrast Check

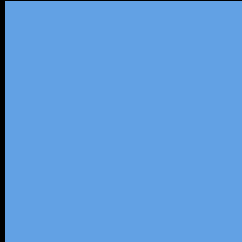
Large Text (above 18pt) WCAG AA × Fail

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 31.7855, 33.6878, 78.2259 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

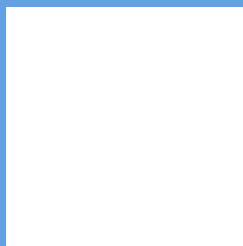
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7855, 33.6878, 78.2259

Background



This preview shows how black text looks on a background with the XYZ color 31.7855, 33.6878, 78.2259.

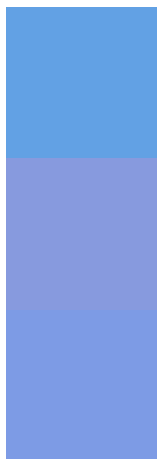


This preview shows how white text looks on a background with the XYZ color 31.7855, 33.6878,

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

31.7855, 33.6878, 78.2259

Protanopia

34.7321, 33.5360, 73.7498

Deuteranopia

34.3216, 33.4598, 78.7782



Tritanopia

26.2302, 33.8738, 49.9556

Trichromacy



Original Color

31.7855, 33.6878, 78.2259

Protanomaly

33.5376, 33.6333, 75.2453

Deuteranomaly

33.2701, 33.4159, 78.8251

Tritanomaly

28.0580, 33.7872, 59.0756

Monochromacy



Original Color

31.7855, 33.6878, 78.2259

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.9516, 31.1508, 46.6063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7855, 33.6878, 78.2259 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(98, 161, 228)` looks like.

```
.text, #text, p{  
    color:rgb(98, 161, 228)  
}
```

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(98, 161, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 161, 228) }
```

Border

The CSS property to change the border of an element to XYZ 31.7855, 33.6878, 78.2259 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(98, 161, 228) }
```


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

```
.border{ border-color:rgb(98, 161, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 161, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 161, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 161, 228);  
box-shadow:4px 4px 4px 4px rgb(98, 161,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7855, 33.6878, 78.2259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 161, 228) }
```

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

```
.background{ background-color: rgb(98, 161,  
228) }
```

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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