

Converting Colors

XYZ(31.7409, 33.7216, 93.9402)

Have a look what the booklet for
XYZ(31.7409, 33.7216, 93.9402)
contains.

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Color

**XYZ(31.7854, 33.8712,
93.6695)**

Conversions

Conversions Part 1

Format	Color
Hex	3AA3F8
RGB	58, 163, 248
RGB Percent	23%, 64%, 97%
CMY	0.7725, 0.3608, 0.0274
CMYK	0.77, 0.34, 0.00, 0.03
HSL	207°, 93%, 60%
HSV	207°, 77%, 97%
XYZ	31.7854, 33.8712, 93.6695
YIQ	141.2950, -89.8650, 4.1750

Conversions

Conversions Part 2

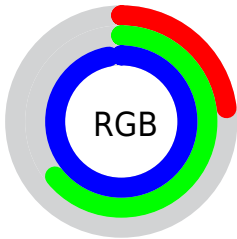
Format	Color
R _Y B	58, 126, 248
Decimal	3843064
CIE Lab	64.86, -1.48, -50.80
CIE LCh	65, 50.821, 268.332
Yxy	33.8712, 0.1995, 0.2126
Android (android.graphics.Color)	4282033144 (0xFF3AA3F8)
YUV	141.2950, 52.6056, -73.0497
Hunter-Lab	58.1990, -4.3603, -54.6862

Details

The XYZ color **31.7854, 33.8712, 93.6695** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **49.3006, 39.9117, 9.1104**, and the grayscale version is **25.2606, 26.5761, 28.9414**.

A 20% lighter version of the original color is **52.3273, 62.1086, 103.8380**, and **15.1981, 15.3499, 51.4520** is the 20% darker color. If you saturate the color by 10%, you get **28.7905, 29.5302, 92.9902**, and if you desaturate by 10%, it is **35.6493, 38.9176, 94.4406**.

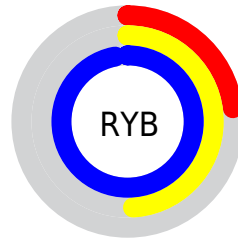
Distribution



Red (23%)

Green (64%)

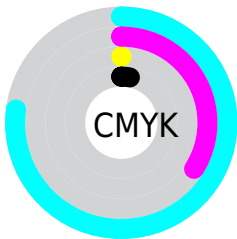
Blue (97%)



Red (23%)

Yellow (49%)

Blue (97%)

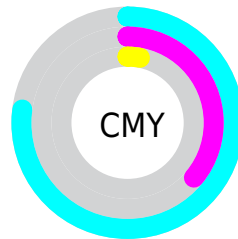


Cyan (77%)

Magenta (34%)

Yellow (0%)

Black (3%)



Cyan (77%)

Magenta (36%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7854, 33.8712, 93.6695 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 31.7854, 33.8712, 93.6695 by changing the saturation by 10% instead.

■ 31.7854, 33.8712,
93.6695

■ 31.7854, 33.8712,
93.6695

301.9032,
319.5574, 560.7719

■ 21.3524, 22.7947,
70.4373

■ 61.8420, 65.7333,
154.4049

■ 13.4958, 14.4420,
51.4041

■ 82.1963, 87.2877,
192.7452

■ 7.8501, 8.4287,
36.1514

■ 106.5883,
113.1035, 236.9587

■ 4.0502, 4.3705,
24.2605

■ 135.3836,
143.5651, 287.4638

■ 1.7306, 1.8829,
15.3130

168.9473,
179.0569, 344.6791

■ 0.4753, 0.5381,
8.8903

207.6449,

■ 0.0000, 0.0000,

219.9633, 409.0232

4.5739

251.8418,
266.6686, 480.9146

■ 0.0000, 0.0000,
1.9452

■ 0.0000, 0.0000,
0.5212

■ 31.7854, 33.8712,
93.6695

■ 31.7854, 33.8712,
93.6695

■ 28.7905, 29.5302,
92.9902

■ 35.6493, 38.9176,
94.4406

■ 26.5457, 25.8256,
92.3934

■ 40.4704, 44.7201,
95.3065

■ 25.8955, 24.6816,
92.2069

■ 46.3293, 51.3265,
96.2729

■ 53.2962, 58.7790,
97.3442

■ 61.4345, 67.1162,
98.5245

■ 70.8029, 76.3736,
99.8176

■ 81.4555, 86.5847,
101.2271

■ 92.9204, 97.5113,
102.7318

■ 93.9434, 99.5574,
103.0728

Harmonies

Analogous

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



25.3517, 33.8712, 82.9587



31.7854, 33.8712, 93.6695



39.3502, 33.8712, 84.9904

Triad

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



31.7854, 33.8712, 93.6695



46.2485, 33.8712, 20.8595



21.6335, 33.8712, 19.4996

Complementary

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



31.7854, 33.8712, 93.6695



49.3006, 39.9117, 9.1104

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.



25.9619, 33.8712, 11.5519



31.7854, 33.8712, 93.6695



40.1674, 33.8712, 12.1018

Square

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



31.7854, 33.8712, 93.6695



48.4219, 33.8712, 38.0664



32.6052, 33.8712, 9.4707



20.0687, 33.8712, 35.7185

Rectangle

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



31.7854, 33.8712, 93.6695



43.9011, 33.8712, 70.7164



32.6052, 33.8712, 9.4707



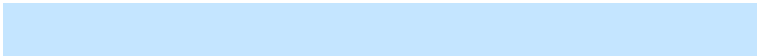
22.7778, 33.8712, 16.0398

Sweetspot

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



31.7867, 33.8723, 93.6704



68.8590, 74.9086, 105.4373



40.0725, 69.9390, 36.3311



13.9993, 15.2948, 22.4643



0.0000, 0.0000, 0.0000



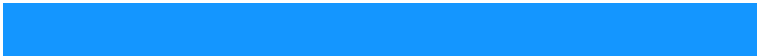
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.7867, 33.8723, 93.6704



29.2594, 29.1984, 98.7015



20.9223, 12.1434, 90.0489



17.0783, 18.2335, 22.0046



14.1309, 13.6173, 49.8572



1.4146, 1.4728, 4.6529

Inverse Universe

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



46.8366, 25.6287, 37.1293



47.0055, 23.9778, 31.0217



69.2803, 79.8711, 15.7703



17.6461, 17.3858, 19.9920



23.4246, 11.7856, 14.2104



2.2229, 1.1129, 1.5974

Previews

White Background



This preview shows how the XYZ color 31.7854, 33.8712, 93.6695 looks on a white background.

Color Contrast Check

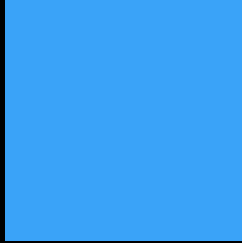
Large Text (above 18pt) WCAG AA × Fail

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 31.7854, 33.8712, 93.6695 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

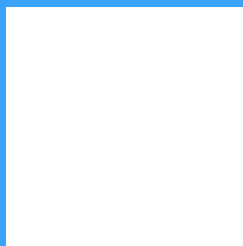
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7854, 33.8712, 93.6695

Background



This preview shows how black text looks on a background with the XYZ color 31.7854, 33.8712, 93.6695.

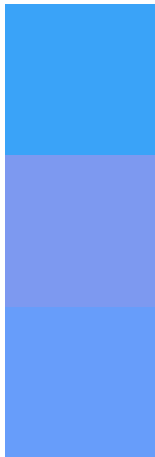


This preview shows how white text looks on a background with the XYZ color 31.7854, 33.8712,

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

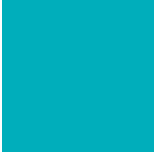
31.7854, 33.8712, 93.6695

Protanopia

35.5769, 33.4337, 87.0163

Deuteranopia

34.9058, 33.8996, 95.1460



Tritanopia

24.1057, 33.8600, 52.2788

Trichromacy



Original Color

31.7854, 33.8712, 93.6695

Protanomaly

33.6015, 33.3517, 89.4606

Deuteranomaly

33.4275, 33.6621, 94.3581

Tritanomaly

26.1926, 33.5123, 65.4096

Monochromacy



Original Color

31.7854, 33.8712, 93.6695

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

25.5412, 28.1697, 47.2711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7854, 33.8712, 93.6695 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(58, 163, 248)` looks like.

```
.text, #text, p{  
    color:rgb(58, 163, 248)  
}
```

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(58, 163, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 163, 248) }
```

Border

The CSS property to change the border of an element to XYZ 31.7854, 33.8712, 93.6695 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(58, 163, 248) }
```


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

```
.border{ border-color:rgb(58, 163, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 163, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 163, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 163, 248);  
box-shadow:4px 4px 4px 4px rgb(58, 163,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7854, 33.8712, 93.6695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 163, 248) }
```

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

```
.background{ background-color: rgb(58, 163,  
248) }
```

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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