

Converting Colors

XYZ(31.4737, 34.7245, 93.3228)

Have a look what the booklet for
XYZ(31.4737, 34.7245, 93.3228)
contains.

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Color

**XYZ(31.4823, 34.8039,
93.0542)**

Conversions

Conversions Part 1

Format	Color
Hex	28A7F7
RGB	40, 167, 247
RGB Percent	16%, 65%, 97%
CMY	0.8430, 0.3451, 0.0314
CMYK	0.84, 0.32, 0.00, 0.03
HSL	203°, 93%, 56%
HSV	203°, 84%, 97%
XYZ	31.4823, 34.8039, 93.0542
YIQ	138.1470, -101.3720, -2.0440

Conversions

Conversions Part 2

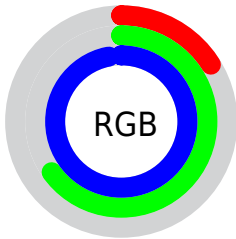
Format	Color
R _Y B	40, 119, 247
Decimal	2664439
CIE Lab	65.60, -5.76, -49.11
CIE LCh	66, 49.451, 263.316
Yxy	34.8039, 0.1976, 0.2184
Android (android.graphics.Color)	4280854519 (0xFF28A7F7)
YUV	138.1470, 53.6645, -86.0749
Hunter-Lab	58.9948, -7.9853, -52.2234

Details

The XYZ color **31.4823, 34.8039, 93.0542** 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 **45.4608, 33.3663, 6.0539**, and the grayscale version is **24.0460, 25.2983, 27.5498**.

A 20% lighter version of the original color is **52.0564, 63.5275, 104.1261**, and **15.4250, 15.9792, 50.9865** is the 20% darker color. If you saturate the color by 10%, you get **29.1250, 31.0878, 92.4619**, and if you desaturate by 10%, it is **34.5835, 39.0960, 93.7200**.

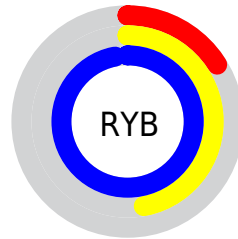
Distribution



Red (16%)

Green (65%)

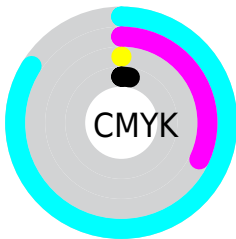
Blue (97%)



Red (16%)

Yellow (47%)

Blue (97%)

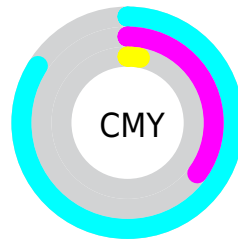


Cyan (84%)

Magenta (32%)

Yellow (0%)

Black (3%)



Cyan (84%)

Magenta (35%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4823, 34.8039, 93.0542 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 31.4823, 34.8039, 93.0542 by changing the saturation by 10% instead.

■ 31.4823, 34.8039,
93.0542

■ 31.4823, 34.8039,
93.0542

300.5415,
323.7019, 558.7412

■ 21.1200, 23.5119,
69.9286

■ 61.3693, 67.1819,
153.5460

■ 13.3247, 14.9719,
50.9919

■ 81.6247, 89.0366,
191.7493

■ 7.7311, 8.7997,
35.8255

■ 105.9086,
115.1810, 235.8156

■ 3.9737, 4.6107,
24.0108

■ 134.5862,
145.9994, 286.1635

■ 1.6873, 2.0207,
15.1294

■ 168.0229,
181.8764, 343.2115

■ 0.4483, 0.6195,
8.7626

206.5842,

■ 0.0000, 0.0000,

223.1962, 407.3780

4.4920

250.6352,
270.3432, 479.0818

■ 0.0000, 0.0000,
1.8989

■ 0.0000, 0.0000,
0.4921

■ 31.4823, 34.8039,
93.0542

■ 31.4823, 34.8039,
93.0542

■ 29.1250, 31.0878,
92.4619

■ 34.5835, 39.0960,
93.7200

■ 27.9410, 29.0202,
92.1252

■ 38.5283, 44.0183,
94.4622

■ 43.4036, 49.6199,
95.2864

■ 49.2834, 55.9425,
96.1969

■ 56.2338, 63.0240,
97.1974

■ 64.3148, 70.8989,
98.2915

■ 73.5818, 79.5992,
99.4824

■ 84.0861, 89.1547,
100.7732

■ 93.1299, 98.1779,
102.0382

Harmonies

Analogous

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



25.4248, 34.8039, 79.8244



31.4823, 34.8039, 93.0542



38.9158, 34.8039, 87.7146

Triad

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



31.4823, 34.8039, 93.0542



47.6198, 34.8039, 24.1774



23.1046, 34.8039, 18.6845

Complementary

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



31.4823, 34.8039, 93.0542



45.4608, 33.3663, 6.0539

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.



27.8590, 34.8039, 11.7689



31.4823, 34.8039, 93.0542



42.1357, 34.8039, 14.0336

Square

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



31.4823, 34.8039, 93.0542



48.9640, 34.8039, 42.7400



34.7310, 34.8039, 10.4496



21.0667, 34.8039, 33.4317

Rectangle

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



31.4823, 34.8039, 93.0542



43.6053, 34.8039, 75.0410



34.7310, 34.8039, 10.4496



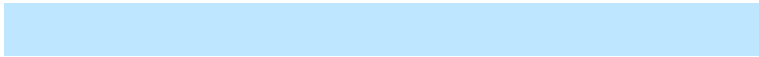
24.4014, 34.8039, 15.6222

Sweetspot

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



31.4836, 34.8050, 93.0551



67.9958, 75.1229, 105.5241



37.4888, 68.3144, 28.7781



13.8808, 15.4286, 22.4964



0.0000, 0.0000, 0.0000



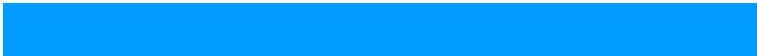
20.3446, 21.4041, 23.3091

Same Dimension

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



31.4836, 34.8050, 93.0551



30.0123, 31.1445, 99.0374



19.5077, 10.8532, 89.0631



16.4276, 17.6194, 21.0776



14.9188, 15.6315, 48.7689



1.4107, 1.5727, 4.3195

Inverse Universe

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



46.0929, 24.0836, 38.7792



47.2780, 23.6752, 33.7257



65.0901, 72.6248, 12.5970



16.9264, 16.6534, 19.3589



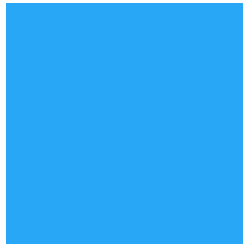
23.3349, 11.6774, 17.0036



2.1011, 1.0464, 1.7588

Previews

White Background



This preview shows how the XYZ color 31.4823, 34.8039, 93.0542 looks on a white background.

Color Contrast Check

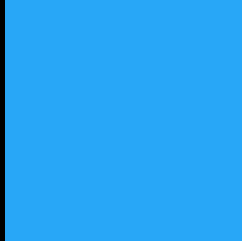
Large Text (above 18pt) WCAG AA × Fail

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 31.4823, 34.8039, 93.0542 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

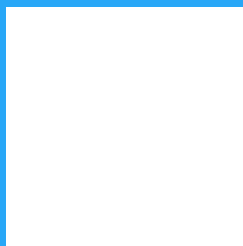
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4823, 34.8039, 93.0542

Background



This preview shows how black text looks on a background with the XYZ color 31.4823, 34.8039, 93.0542.



This preview shows how white text looks on a background with the XYZ color 31.4823, 34.8039,

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

31.4823, 34.8039, 93.0542

Protanopia

36.2133, 34.3029, 84.8332

Deuteranopia

35.5101, 34.4814, 94.4065



Tritanopia

24.7106, 34.7248, 53.5443

Trichromacy



Original Color

31.4823, 34.8039, 93.0542

Protanomaly

33.2051, 33.6885, 87.9715

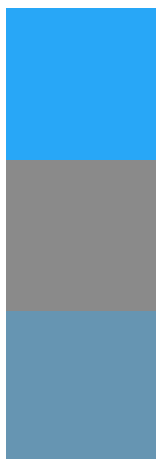
Deuteranomaly

33.2554, 34.1060, 93.6373

Tritanomaly

26.7734, 34.6418, 66.2482

Monochromacy



Original Color

31.4823, 34.8039, 93.0542

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

24.2628, 27.5340, 46.1553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4823, 34.8039, 93.0542 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(40, 167, 247)` looks like.

```
.text, #text, p{  
  color:rgb(40, 167, 247)  
}
```

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(40, 167, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 167, 247) }
```

Border

The CSS property to change the border of an element to XYZ 31.4823, 34.8039, 93.0542 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(40, 167, 247) }
```


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

```
.border{ border-color:rgb(40, 167, 247) }
```

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

Here you see how a box with a 4 pixel rgb(40, 167, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 167, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 167, 247);  
box-shadow:4px 4px 4px 4px rgb(40, 167,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4823, 34.8039, 93.0542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 167, 247) }
```

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

```
.background{ background-color: rgb(40, 167,  
247) }
```

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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