

Converting Colors

XYZ(31.7393, 34.5384, 98.7597)

Have a look what the booklet for
XYZ(31.7393, 34.5384, 98.7597)
contains.

XYZ(31.7393, 34.5384, 98.7597)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.7393, 34.5384,
98.7597)**

Conversions

Conversions Part 1

Format	Color
Hex	10A6FE
RGB	16, 166, 254
RGB Percent	6%, 65%, 100%
CMY	0.9370, 0.3490, 0.0039
CMYK	0.94, 0.35, 0.00, 0.00
HSL	202°, 99%, 53%
HSV	202°, 94%, 100%
XYZ	31.7393, 34.5384, 98.7597
YIQ	131.1820, -117.6480, -4.4320

Conversions

Conversions Part 2

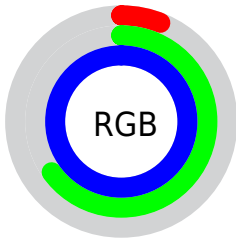
Format	Color
R _Y B	16, 108, 254
Decimal	1091326
CIE Lab	65.39, -3.92, -53.28
CIE LCh	65, 53.420, 265.791
Yxy	34.5384, 0.1923, 0.2093
Android (android.graphics.Color)	4279281406 (0xFF10A6FE)
YUV	131.1820, 60.5493, -101.0146
Hunter-Lab	58.7694, -6.4448, -58.4960

Details

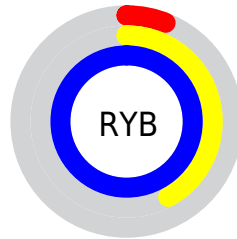
The XYZ color **31.7393, 34.5384, 98.7597** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **45.9229, 31.0198, 4.0593**, and the grayscale version is **21.4651, 22.5830, 24.5929**.

A 20% lighter version of the original color is **50.9767, 62.5777, 103.9997**, and **16.2088, 16.2927, 55.1138** is the 20% darker color. If you saturate the color by 10%, you get **30.4716, 32.3199, 98.3991**, and if you desaturate by 10%, it is **34.2292, 38.4507, 99.3844**.

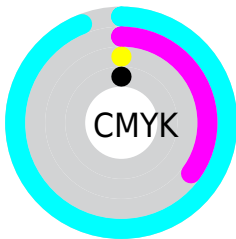
Distribution



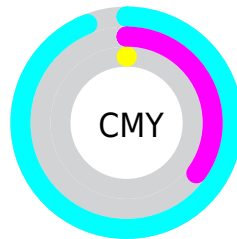
- Red (6%)
- Green (65%)
- Blue (100%)



- Red (6%)
- Yellow (42%)
- Blue (100%)



- Cyan (94%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (94%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7393, 34.5384, 98.7597 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 31.7393, 34.5384, 98.7597 by changing the saturation by 10% instead.

■ 31.7393, 34.5384,
98.7597

■ 31.7393, 34.5384,
98.7597

301.6964,
322.5261, 577.4215

■ 21.3170, 23.3075,
74.6540

■ 61.7701, 66.7701,
161.4887

■ 13.4697, 14.8207,
54.8295

■ 82.1094, 88.5396,
200.9490

■ 7.8320, 8.6937,
38.8675

■ 106.4850,
114.5909, 246.3647

■ 4.0385, 4.5419,
26.3496

■ 135.2624,
145.3082, 298.1542

■ 1.7240, 1.9811,
16.8573

■ 168.8069,
181.0760, 356.7361

■ 0.4712, 0.5965,
9.9719

207.4838,

■ 0.0000, 0.0000,

222.2786, 422.5289

5.2750

251.6585,
269.3006, 495.9512

■ 0.0000, 0.0000,
2.3479

■ 0.0000, 0.0000,
0.7579

■ 31.7393, 34.5384,
98.7597

■ 31.7393, 34.5384,
98.7597

■ 30.4716, 32.3199,
98.3991

■ 34.2292, 38.4507,
99.3844

■ 37.4991, 42.9536,
100.0812

■ 41.6610, 48.1091,
100.8569

■ 46.8061, 53.9677,
101.7166

■ 53.0132, 60.5735,
102.6645

■ 60.3527, 67.9663,
103.7046

■ 68.8885, 76.1823,
104.8406

■ 78.6794, 85.2551,
106.0758

■ 89.7801, 95.2161,
107.4133

Harmonies

Analogous

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



25.0977, 34.5384, 85.4805



31.7393, 34.5384, 98.7597



39.7944, 34.5384, 91.0466

Triad

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



31.7393, 34.5384, 98.7597



48.2663, 34.5384, 21.8440



21.9219, 34.5384, 18.2593

Complementary

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



31.7393, 34.5384, 98.7597



45.9229, 31.0198, 4.0593

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.



26.7256, 34.5384, 10.6763



31.7393, 34.5384, 98.7597



42.0014, 34.5384, 12.0966

Square

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



31.7393, 34.5384, 98.7597



50.1701, 34.5384, 40.8476



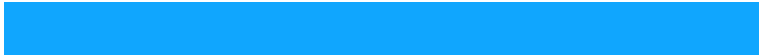
33.9407, 34.5384, 8.9774



20.0279, 34.5384, 34.5415

Rectangle

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



31.7393, 34.5384, 98.7597



44.7933, 34.5384, 76.2066



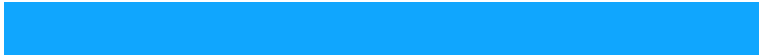
33.9407, 34.5384, 8.9774



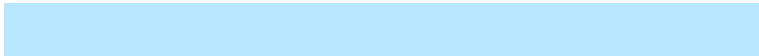
23.2088, 34.5384, 14.9051

Sweetspot

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



31.7407, 34.5395, 98.7606



65.6287, 73.1754, 105.2730



38.1200, 71.9802, 24.7957



13.2687, 14.9084, 22.4282



0.0000, 0.0000, 0.0000



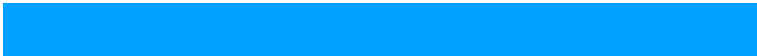
20.3446, 21.4041, 23.3091

Same Dimension

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



31.7407, 34.5395, 98.7606



30.7415, 32.6030, 99.2805



19.1521, 9.3624, 94.5644



17.9571, 19.2858, 23.0260



16.2108, 17.3312, 51.9254



1.6830, 1.8966, 5.0907

Inverse Universe

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



47.9426, 24.1964, 38.2207



47.6461, 23.8224, 35.6640



67.1616, 73.4971, 11.1389



18.4910, 18.1797, 21.2028



24.9707, 12.4776, 19.0278



2.4841, 1.2360, 2.1306

Previews

White Background



This preview shows how the XYZ color 31.7393, 34.5384, 98.7597 looks on a white background.

Color Contrast Check

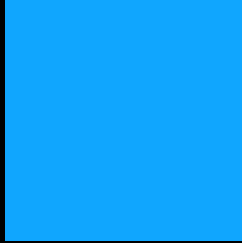
Large Text (above 18pt) WCAG AA × Fail

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 31.7393, 34.5384, 98.7597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

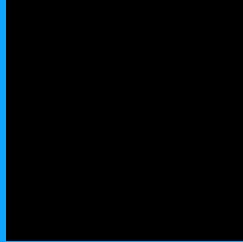
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

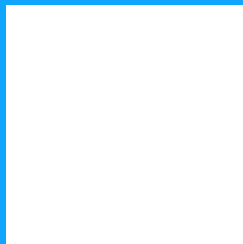
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7393, 34.5384, 98.7597

Background



This preview shows how black text looks on a background with the XYZ color 31.7393, 34.5384, 98.7597.

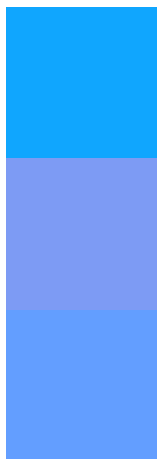


This preview shows how white text looks on a background with the XYZ color 31.7393, 34.5384,

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

31.7393, 34.5384, 98.7597

Protanopia

36.5079, 34.3343, 90.2910

Deuteranopia

35.4224, 34.3264, 99.3664



Tritanopia

24.4071, 34.2908, 52.9093

Trichromacy



Original Color

31.7393, 34.5384, 98.7597

Protanomaly

33.0877, 33.5049, 93.5301

Deuteranomaly

33.2491, 33.9749, 99.4131

Tritanomaly

26.7113, 34.2972, 67.4995

Monochromacy



Original Color

31.7393, 34.5384, 98.7597

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.9296, 25.2050, 44.7835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7393, 34.5384, 98.7597 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(16, 166, 254)` looks like.

```
.text, #text, p{  
    color:rgb(16, 166, 254)  
}
```

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(16, 166, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 166, 254) }
```

Border

The CSS property to change the border of an element to XYZ 31.7393, 34.5384, 98.7597 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(16, 166, 254) }
```


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

```
.border{ border-color:rgb(16, 166, 254) }
```

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

Here you see how a box with a 4 pixel rgb(16, 166, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 166, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 166, 254);  
box-shadow:4px 4px 4px 4px rgb(16, 166,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7393, 34.5384, 98.7597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 166, 254) }
```

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

```
.background{ background-color: rgb(16, 166,  
254) }
```

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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