

Converting Colors

XYZ(19.4614, 10.0184, 94.0509)

Have a look what the booklet for
XYZ(19.4614, 10.0184, 94.0509)
contains.

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Color

**XYZ(19.4051, 9.9837,
93.8328)**

Conversions

Conversions Part 1

Format	Color
Hex	1537FD
RGB	21, 55, 253
RGB Percent	8%, 22%, 99%
CMY	0.9175, 0.7843, 0.0078
CMYK	0.92, 0.78, 0.00, 0.01
HSL	231°, 98%, 54%
HSV	231°, 92%, 99%
XYZ	19.4051, 9.9837, 93.8328
YIQ	67.4060, -83.8220, 54.3700

Conversions

Conversions Part 2

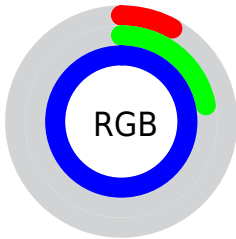
Format	Color
R _Y B	21, 51, 253
Decimal	1390589
CIE Lab	37.81, 62.46, -97.54
CIE LCh	38, 115.829, 302.634
Yxy	9.9837, 0.1575, 0.0810
Android (android.graphics.Color)	4279580669 (0xFF1537FD)
YUV	67.4060, 91.4978, -40.6981
Hunter-Lab	31.5970, 54.3299, -153.9541

Details

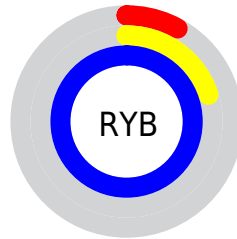
The XYZ color **19.4051, 9.9837, 93.8328** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark washed blue. A complement of this color would be **65.9883, 71.6257, 11.0588**, and the grayscale version is **5.2706, 5.5451, 6.0386**.

A 20% lighter version of the original color is **30.9867, 21.3881, 97.1029**, and **9.8937, 4.0270, 51.8856** is the 20% darker color. If you saturate the color by 10%, you get **18.3922, 8.4170, 93.5841**, and if you desaturate by 10%, it is **21.4975, 12.9317, 94.2919**.

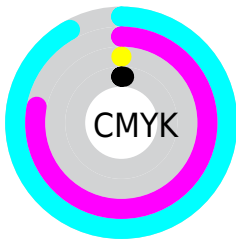
Distribution



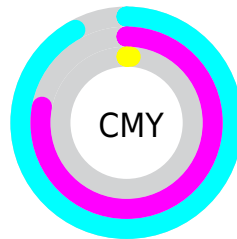
- Red (8%)
- Green (22%)
- Blue (99%)



- Red (8%)
- Yellow (20%)
- Blue (99%)



- Cyan (92%)
- Magenta (78%)
- Yellow (0%)
- Black (1%)



- Cyan (92%)
- Magenta (78%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4051, 9.9837, 93.8328 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 19.4051, 9.9837, 93.8328 by changing the saturation by 10% instead.

■ 19.4051, 9.9837,
93.8328

■ 19.4051, 9.9837,
93.8328

241.5715,
190.5557, 561.3101

■ 12.0691, 5.3882,
70.5724

■ 41.9291, 25.7648,
154.6328

■ 6.8633, 2.4768,
51.5136

■ 57.8478, 37.7192,
193.0094

■ 3.4223, 0.8650,
36.2380

■ 77.3582, 52.8953,
237.2618

■ 1.3808, 0.0000,
24.3269

■ 100.8255, 71.6776,
287.8086

■ 0.2425, 0.0000,
15.3618

■ 128.6151, 94.4503,
345.0683

■ 0.0000, 0.0000,
8.9243

■ 161.0924,

■ 0.0000, 0.0000,

121.5980, 409.4594

4.5957

198.6228,
153.5050, 481.4005

■ 0.0000, 0.0000,
1.9575

■ 0.0000, 0.0000,
0.5290

■ 19.4051, 9.9837,
93.8328

■ 19.4051, 9.9837,
93.8328

■ 18.3922, 8.4170,
93.5841

■ 21.4975, 12.9317,
94.2919

■ 24.7612, 17.2269,
94.9489

■ 29.3444, 23.0119,
95.8240

■ 35.3719, 30.4103,
96.9344

■ 42.9539, 39.5328,
98.2956

■ 52.1896, 50.4797,
99.9218

■ 63.1698, 63.3438,
101.8261

■ 75.9788, 78.2114,
104.0207

■ 90.6952, 95.1637,
106.5172

Harmonies

Analogous

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



10.1576, 9.9837, 123.3426



19.4051, 9.9837, 93.8328



28.5405, 9.9837, 42.3787

Triad

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



19.4051, 9.9837, 93.8328



17.6385, 9.9837, 0.0000



1.1945, 9.9837, 12.8510

Complementary

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



19.4051, 9.9837, 93.8328



65.9883, 71.6257, 11.0588

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.



1.6356, 9.9837, 0.8356



19.4051, 9.9837, 93.8328



8.8508, 9.9837, 0.0000

Square

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



19.4051, 9.9837, 93.8328



27.2008, 9.9837, 0.1910



3.7022, 9.9837, 0.0000



1.8464, 9.9837, 50.9238

Rectangle

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



19.4051, 9.9837, 93.8328



31.7223, 9.9837, 16.9701



3.7022, 9.9837, 0.0000



1.2203, 9.9837, 6.4418

Sweetspot

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



19.4059, 9.9838, 93.8331



57.0246, 55.9672, 102.4050



48.1176, 75.4836, 78.5055



11.2311, 10.8333, 21.7490



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.



19.4059, 9.9838, 93.8331



18.7217, 8.5634, 95.2739



23.5042, 10.4680, 93.7106



17.2175, 17.8066, 22.7795



9.8466, 4.6028, 49.8040



1.0196, 0.5699, 4.8695

Inverse Universe

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



41.4667, 21.6965, 5.6162



41.5790, 21.3956, 3.7154



52.2341, 79.0550, 13.2177



18.1177, 18.0304, 19.2369



21.7583, 11.1926, 2.1118



2.1493, 1.1021, 0.3674

Previews

White Background



This preview shows how the XYZ color 19.4051, 9.9837, 93.8328 looks on a white background.

Color Contrast Check

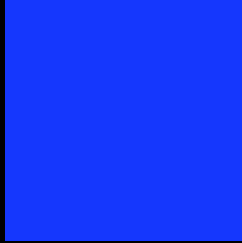
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 19.4051, 9.9837, 93.8328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.4051, 9.9837, 93.8328

Background



This preview shows how black text looks on a background with the XYZ color 19.4051, 9.9837, 93.8328.



This preview shows how white text looks on a background with the XYZ color 19.4051, 9.9837,

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

19.4051, 9.9837, 93.8328

Protanopia

11.2844, 9.7114, 43.3992

Deuteranopia

9.3270, 9.7165, 30.6620



Tritanopia

6.7660, 9.6947, 14.0850

Trichromacy



Original Color

19.4051, 9.9837, 93.8328

Protanomaly

13.5684, 9.3570, 58.8486

Deuteranomaly

11.9016, 9.1312, 48.7122

Tritanomaly

9.2032, 8.5205, 33.0579

Monochromacy



Original Color

19.4051, 9.9837, 93.8328

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

7.4661, 5.9824, 23.6829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4051, 9.9837, 93.8328 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(21, 55, 253)` looks like.

```
.text, #text, p{  
    color:rgb(21, 55, 253)  
}
```

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(21, 55, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 55, 253) }
```

Border

The CSS property to change the border of an element to XYZ 19.4051, 9.9837, 93.8328 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(21, 55, 253) }
```


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

```
.border{ border-color:rgb(21, 55, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 55, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 55, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 55, 253);  
box-shadow:4px 4px 4px 4px rgb(21, 55,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4051, 9.9837, 93.8328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 55, 253) }
```

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

```
.background{ background-color: rgb(21, 55,  
253) }
```

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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