

Converting Colors

XYZ(18.2785, 8.0377, 94.0140)

Have a look what the booklet for
XYZ(18.2785, 8.0377, 94.0140)
contains.

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Color

**XYZ(18.3537, 8.0843,
94.3590)**

Conversions

Conversions Part 1

Format	Color
Hex	001EFE
RGB	0, 30, 254
RGB Percent	0%, 12%, 100%
CMY	0.9997, 0.8824, 0.0039
CMYK	1.00, 0.88, 0.00, 0.00
HSL	233°, 100%, 50%
HSV	233°, 100%, 100%
XYZ	18.3537, 8.0843, 94.3590
YIQ	46.5660, -89.7840, 63.3040

Conversions

Conversions Part 2

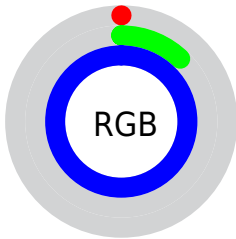
Format	Color
RYB	0, 27, 254
Decimal	7934
CIELab	34.16, 72.80, -104.20
CIELCh	34, 127.114, 304.941
Yxy	8.0843, 0.1519, 0.0669
Android (android.graphics.Color)	4278198014 (0xFF001EFE)
YUV	46.5660, 102.2650, -40.8384
Hunter-Lab	28.4329, 65.4658, -176.8600

Details

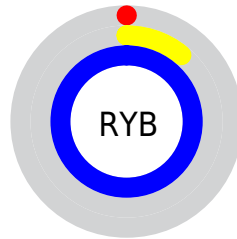
The XYZ color **18.3537, 8.0843, 94.3590** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **67.5537, 74.4313, 10.8085**, and the grayscale version is **2.5614, 2.6948, 2.9347**.

A 20% lighter version of the original color is **29.0442, 17.7101, 96.4953**, and **9.8503, 3.9401, 51.8711** is the 20% darker color. If you saturate the color by 10%, you get **18.3517, 8.0802, 94.3587**, and if you desaturate by 10%, it is **19.5481, 9.8602, 94.6392**.

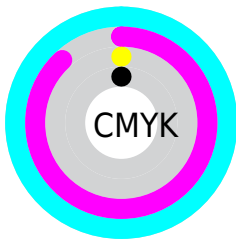
Distribution



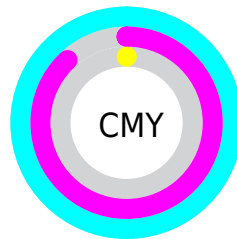
- Red (0%)
- Green (12%)
- Blue (100%)



- Red (0%)
- Yellow (11%)
- Blue (100%)



- Cyan (100%)
- Magenta (88%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (88%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3537, 8.0843, 94.3590 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 18.3537, 8.0843, 94.3590 by changing the saturation by 10% instead.

■ 18.3537, 8.0843,
94.3590

■ 18.3537, 8.0843,
94.3590

235.8644,
176.3917, 563.0427

■ 11.3054, 4.1489,
71.0076

■ 40.1645, 22.1235,
155.3667

■ 6.3415, 1.7572,
51.8666

■ 55.6577, 32.9962,
193.8601

■ 3.0964, 0.4603,
36.5172

■ 74.6967, 46.9501,
238.2380

■ 1.2050, 0.0000,
24.5411

■ 97.6467, 64.3696,
288.9188

■ 0.1103, 0.0000,
15.5196

■ 124.8731, 85.6391,
346.3211

■ 0.0000, 0.0000,
9.0342

■ 156.7413,

■ 0.0000, 0.0000,

111.1431, 410.8635

4.6664

193.6166,
141.2658, 482.9645

0.0000, 0.0000,
1.9976

0.0000, 0.0000,
0.5538

18.3537, 8.0843,
94.3590

18.3537, 8.0843,
94.3590

18.3517, 8.0802,
94.3587

19.5481, 9.8602,
94.6392

21.7515, 12.8623,
95.1025

25.1867, 17.2927,
95.7766

30.0038, 23.3040,
96.6830

■ 36.3312, 31.0288,
97.8406

■ 44.2823, 40.5856,
99.2661

■ 53.9597, 52.0820,
100.9751

■ 65.4573, 65.6175,
102.9817

■ 78.8622, 81.2846,
105.2993

Harmonies

Analogous

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



8.9114, 8.0843, 131.7492



18.3537, 8.0843, 94.3590



27.6616, 8.0843, 37.6020

Triad

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



18.3537, 8.0843, 94.3590



14.9726, 8.0843, 0.0000



0.5026, 8.0843, 12.5869

Complementary

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



18.3537, 8.0843, 94.3590



67.5537, 74.4313, 10.8085

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.



0.7832, 8.0843, 0.3533



18.3537, 8.0843, 94.3590



6.5746, 8.0843, 0.0000

Square

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



18.3537, 8.0843, 94.3590



25.0091, 8.0843, 0.0000



2.2420, 8.0843, 0.0000



1.0682, 8.0843, 55.0008

Rectangle

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



18.3537, 8.0843, 94.3590



30.6347, 8.0843, 12.6879



2.2420, 8.0843, 0.0000



0.5032, 8.0843, 5.8042

Sweetspot

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



18.3545, 8.0843, 94.3593



54.4040, 52.5021, 101.8743



48.3803, 76.0593, 79.9414



10.7172, 10.1388, 21.6421



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.



18.3545, 8.0843, 94.3593



18.5152, 8.1504, 95.2051



22.4232, 9.4943, 94.4170



17.1753, 17.7222, 22.7654



9.7286, 4.3668, 49.7647



0.9998, 0.5303, 4.8629

Inverse Universe

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



41.1083, 21.1663, 3.1464



41.4748, 21.3539, 3.1665



50.1194, 78.4503, 12.5031



18.0964, 18.0219, 19.1247



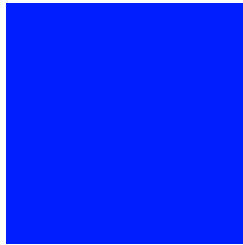
21.6987, 11.1688, 1.7981



2.1393, 1.0981, 0.3148

Previews

White Background



This preview shows how the XYZ color 18.3537, 8.0843, 94.3590 looks on a white background.

Color Contrast Check

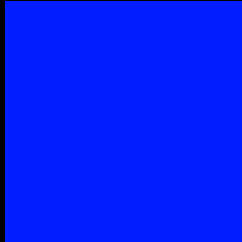
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3537, 8.0843, 94.3590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

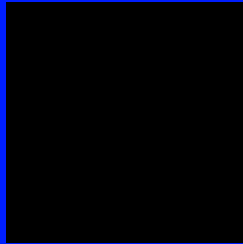
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.3537, 8.0843, 94.3590

Background



This preview shows how black text looks on a background with the XYZ color 18.3537, 8.0843, 94.3590.



This preview shows how white text looks on a background with the XYZ color 18.3537, 8.0843,

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

18.3537, 8.0843, 94.3590

Protanopia

9.1755, 7.9164, 35.2268

Deuteranopia

7.5327, 7.8407, 24.7833



Tritanopia

5.5482, 7.9351, 11.5951

Trichromacy



Original Color

18.3537, 8.0843, 94.3590

Protanomaly

11.4662, 7.1718, 52.4097

Deuteranomaly

10.0157, 6.8503, 43.9744

Tritanomaly

7.7346, 6.4012, 30.5337

Monochromacy



Original Color

18.3537, 8.0843, 94.3590

Achromatopsia

2.7019, 2.8426, 3.0956

Achromatomaly

4.8412, 3.2670, 18.7878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3537, 8.0843, 94.3590 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(0, 30, 254)` looks like.

```
.text, #text, p{  
    color:rgb(0, 30, 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(0, 30, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 30, 254) }
```

Border

The CSS property to change the border of an element to XYZ 18.3537, 8.0843, 94.3590 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(0, 30, 254) }
```


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

```
.border{ border-color:rgb(0, 30, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 30, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 30, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 30, 254);  
box-shadow:4px 4px 4px 4px rgb(0, 30, 254)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.3537, 8.0843, 94.3590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 30, 254) }
```

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

```
.background{ background-color: rgb(0, 30,  
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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