

Converting Colors

XYZ(19.3384, 9.7967, 95.4795)

Have a look what the booklet for
XYZ(19.3384, 9.7967, 95.4795)
contains.

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Color

**XYZ(19.3231, 9.7662,
95.4744)**

Conversions

Conversions Part 1

Format	Color
Hex	0035FF
RGB	0, 53, 255
RGB Percent	0%, 21%, 100%
CMY	0.9997, 0.7922, 0.0000
CMYK	1.00, 0.79, 0.00, 0.00
HSL	228°, 100%, 50%
HSV	228°, 100%, 100%
XYZ	19.3231, 9.7662, 95.4744
YIQ	60.1810, -96.4300, 51.5860

Conversions

Conversions Part 2

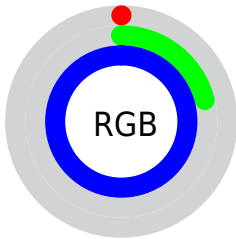
Format	Color
RYB	0, 44, 255
Decimal	13823
CIELab	37.42, 63.74, -99.33
CIElCh	37, 118.021, 302.691
Yxy	9.7662, 0.1551, 0.0784
Android (android.graphics.Color)	4278203903 (0xFF0035FF)
YUV	60.1810, 96.0458, -52.7787
Hunter-Lab	31.2509, 55.6812, -159.2607

Details

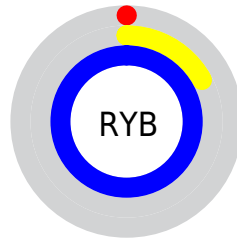
The XYZ color **19.3231, 9.7662, 95.4744** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **62.3799, 63.5392, 8.9787**, and the grayscale version is **4.2036, 4.4225, 4.8161**.

A 20% lighter version of the original color is **30.3715, 20.7720, 97.0164**, and **9.9855, 4.0289, 52.4759** is the 20% darker color. If you saturate the color by 10%, you get **19.3201, 9.7603, 95.4734**, and if you desaturate by 10%, it is **20.8610, 12.2257, 95.8680**.

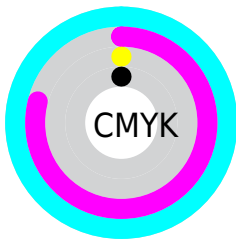
Distribution



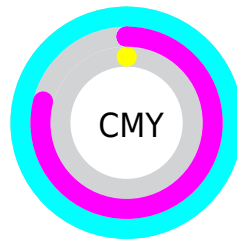
- Red (0%)
- Green (21%)
- Blue (100%)



- Red (0%)
- Yellow (17%)
- Blue (100%)



- Cyan (100%)
- Magenta (79%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (79%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3231, 9.7662, 95.4744 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 19.3231, 9.7662, 95.4744 by changing the saturation by 10% instead.


 19.3231, 9.7662,
95.4744


 19.3231, 9.7662,
95.4744


241.1307,
188.9952, 566.7057


 12.0094, 5.2442,
71.9308


 41.7920, 25.3548,
156.9211


 6.8223, 2.3913,
52.6157


 57.6779, 37.1902,
195.6612

 3.3966, 0.8214,
37.1104


 77.1519, 52.2322,
240.3040

 1.3668, 0.0000,
24.9965

 100.5793, 70.8653,
291.2679

 0.2324, 0.0000,
15.8555

 128.3256, 93.4737,
348.9714

 0.0000, 0.0000,
9.2687

 160.7560,

 0.0000, 0.0000,

120.4419, 413.8332

4.8177

198.2359,
152.1542, 486.2718

■ 0.0000, 0.0000,
2.0838

■ 0.0000, 0.0000,
0.6061

■ 19.3231, 9.7662,
95.4744

■ 19.3231, 9.7662,
95.4744

■ 19.3201, 9.7603,
95.4734

■ 20.8610, 12.2257,
95.8680

■ 23.3693, 15.8263,
96.4308

■ 27.0504, 20.7280,
97.1829

■ 32.0384, 27.0499,
98.1403

■ 38.4485, 34.8966,
99.3170

■ 46.3825, 44.3623,
100.7259

■ 55.9325, 55.5332,
102.3788

■ 67.1833, 68.4894,
104.2866

■ 80.2135, 83.3057,
106.4596

Harmonies

Analogous

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



9.9690, 9.7662, 126.0339



19.3231, 9.7662, 95.4744



28.6184, 9.7662, 42.5740

Triad

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



19.3231, 9.7662, 95.4744



17.4915, 9.7662, 0.0000



1.0788, 9.7662, 12.6711

Complementary

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



19.3231, 9.7662, 95.4744



62.3799, 63.5392, 8.9787

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.



1.4990, 9.7662, 0.7250



19.3231, 9.7662, 95.4744



8.6282, 9.7662, 0.0000

Square

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



19.3231, 9.7662, 95.4744



27.2219, 9.7662, 0.0539



3.5104, 9.7662, 0.0000



1.7067, 9.7662, 51.5193

Rectangle

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



19.3231, 9.7662, 95.4744



31.8576, 9.7662, 16.7277



3.5104, 9.7662, 0.0000



1.1028, 9.7662, 6.2351

Sweetspot

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



19.3238, 9.7662, 95.4743



55.9016, 55.4974, 102.3735



46.1590, 75.6797, 66.6754



11.0605, 10.8255, 21.7565



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.



19.3238, 9.7662, 95.4743



19.3201, 9.7603, 95.4734



20.7461, 8.6111, 95.1764



17.3085, 17.9885, 22.8098



10.1803, 5.2701, 49.9153



1.0652, 0.6612, 4.8847

Inverse Universe

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



41.8833, 21.5186, 5.3136



41.8811, 21.5164, 5.3060



55.2345, 81.5594, 12.8336



18.1636, 18.0487, 19.4786



21.9267, 11.2600, 2.9987



2.1723, 1.1113, 0.4887

Previews

White Background



This preview shows how the XYZ color 19.3231, 9.7662, 95.4744 looks on a white background.

Color Contrast Check

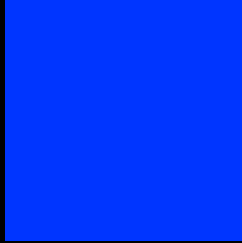
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.3231, 9.7662, 95.4744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

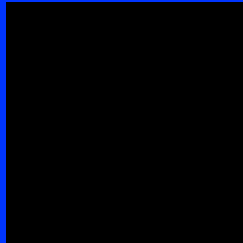
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.3231, 9.7662, 95.4744

Background



This preview shows how black text looks on a background with the XYZ color 19.3231, 9.7662, 95.4744.



This preview shows how white text looks on a background with the XYZ color 19.3231, 9.7662,

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

19.3231, 9.7662, 95.4744

Protanopia

11.1061, 9.5150, 42.8462

Deuteranopia

9.1612, 9.5143, 30.2078



Tritanopia

6.6730, 9.5087, 14.0540

Trichromacy



Original Color

19.3231, 9.7662, 95.4744

Protanomaly

13.4020, 9.1729, 58.8218

Deuteranomaly

11.7310, 8.9386, 48.6840

Tritanomaly

9.1140, 8.3535, 33.4798

Monochromacy



Original Color

19.3231, 9.7662, 95.4744

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

6.3592, 4.9770, 22.0982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3231, 9.7662, 95.4744 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, 53, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 53, 255)  
}
```

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, 53, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 53, 255) }
```

Border

The CSS property to change the border of an element to XYZ 19.3231, 9.7662, 95.4744 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, 53, 255) }
```


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

```
.border{ border-color:rgb(0, 53, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 53, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 53, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 53, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 53, 255)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.3231, 9.7662, 95.4744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 53, 255) }
```

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

```
.background{ background-color: rgb(0, 53,  
255) }
```

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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