

Converting Colors

XYZ(19.2491, 8.5821, 95.2497)

Have a look what the booklet for
XYZ(19.2491, 8.5821, 95.2497)
contains.

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Color

**XYZ(19.2331, 8.5573,
95.2458)**

Conversions

Conversions Part 1

Format	Color
Hex	231FFF
RGB	35, 31, 255
RGB Percent	14%, 12%, 100%
CMY	0.8626, 0.8785, 0.0000
CMYK	0.86, 0.88, 0.00, 0.00
HSL	241°, 100%, 56%
HSV	241°, 88%, 100%
XYZ	19.2331, 8.5573, 95.2458
YIQ	57.7320, -69.5200, 70.5120

Conversions

Conversions Part 2

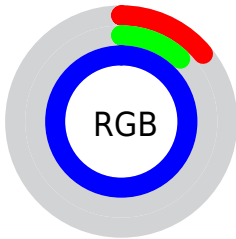
Format	Color
R _Y B	35, 31, 255
Decimal	2301951
CIE Lab	35.12, 73.21, -103.14
CIE LCh	35, 126.483, 305.367
Yxy	8.5573, 0.1563, 0.0696
Android (android.graphics.Color)	4280492031 (0xFF231FFF)
YUV	57.7320, 97.2531, -19.9360
Hunter-Lab	29.2529, 66.1672, -172.5682

Details

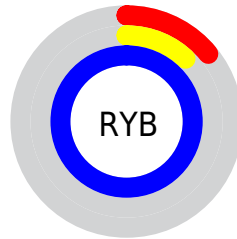
The XYZ color **19.2331, 8.5573, 95.2458** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **75.7779, 92.1214, 15.0830**, and the grayscale version is **3.8683, 4.0698, 4.4320**.

A 20% lighter version of the original color is **30.2799, 18.4648, 96.5759**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.2346, 7.4036, 95.0757**, and if you desaturate by 10%, it is **21.3556, 11.0589, 95.6168**.

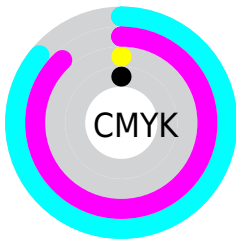
Distribution



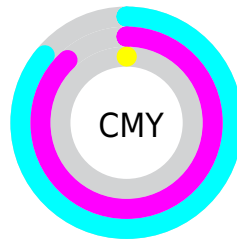
- Red (14%)
- Green (12%)
- Blue (100%)



- Red (14%)
- Yellow (12%)
- Blue (100%)



- Cyan (86%)
- Magenta (88%)
- Yellow (0%)
- Black (0%)



- Cyan (86%)
- Magenta (88%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2331, 8.5573, 95.2458 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 19.2331, 8.5573, 95.2458 by changing the saturation by 10% instead.

■ 19.2331, 8.5573,
95.2458

■ 19.2331, 8.5573,
95.2458

240.6461,
180.0401, 565.9560

■ 11.9438, 4.4536,
71.7416

■ 41.6414, 23.0439,
156.6026

■ 6.7774, 1.9304,
52.4620

■ 57.4912, 34.1957,
195.2923

■ 3.3683, 0.5665,
36.9887

■ 76.9253, 48.4655,
239.8809

■ 1.3514, 0.0000,
24.9030

■ 100.3088, 66.2378,
290.7869

■ 0.2212, 0.0000,
15.7865

■ 128.0074, 87.8970,
348.4289

■ 0.0000, 0.0000,
9.2205

■ 160.3862,

■ 0.0000, 0.0000,

113.8276, 413.2253

4.7865

197.8106,
144.4138, 485.5949

■ 0.0000, 0.0000,
2.0660

■ 0.0000, 0.0000,
0.5954

■ 19.2331, 8.5573,
95.2458

■ 19.2331, 8.5573,
95.2458

■ 18.2346, 7.4036,
95.0757

■ 21.3556, 11.0589,
95.6168

■ 18.1075, 7.2496,
95.0527

■ 24.8227, 15.1895,
96.2313

■ 29.8079, 21.1625,
97.1215

■ 36.4584, 29.1591,
98.3144

■ 44.9039, 39.3388,
99.8342

■ 55.2614, 51.8451,
101.7022

■ 67.6380, 66.8094,
103.9383

■ 82.1327, 84.3534,
106.5607

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



9.5153, 8.5573, 133.5019



19.2331, 8.5573, 95.2458



28.6652, 8.5573, 38.0328

Triad

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



19.2331, 8.5573, 95.2458



15.4799, 8.5573, 0.0000



0.6211, 8.5573, 13.5960

Complementary

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



19.2331, 8.5573, 95.2458



75.7779, 92.1214, 15.0830

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.



0.8894, 8.5573, 0.5474



19.2331, 8.5573, 95.2458



6.8924, 8.5573, 0.0000

Square

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



19.2331, 8.5573, 95.2458



25.7368, 8.5573, 0.0000



2.4215, 8.5573, 0.0000



1.2239, 8.5573, 57.1644

Rectangle

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



19.2331, 8.5573, 95.2458



31.6065, 8.5573, 12.9476



2.4215, 8.5573, 0.0000



0.6176, 8.5573, 6.4384

Sweetspot

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



19.2338, 8.5573, 95.2457



57.3920, 54.4198, 102.0869



53.1953, 76.6722, 106.6033



11.4410, 10.6291, 21.6986



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.



19.2338, 8.5573, 95.2457



18.1075, 7.2496, 95.0527



30.5238, 14.3775, 95.7741



17.0333, 17.3934, 22.7095



9.4746, 3.7948, 49.6677



0.9327, 0.3747, 4.8364

Inverse Universe

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



59.1366, 29.2022, 93.7567



58.5590, 28.1876, 93.1306



46.6984, 77.1304, 13.7221



18.7777, 18.2944, 22.7126



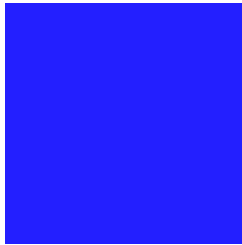
30.6048, 14.7312, 48.6967



2.9842, 1.4361, 4.7643

Previews

White Background



This preview shows how the XYZ color 19.2331, 8.5573, 95.2458 looks on a white background.

Color Contrast Check

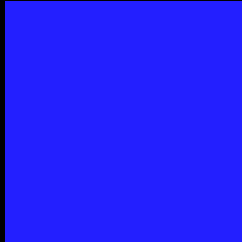
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2331, 8.5573, 95.2458 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 19.2331, 8.5573, 95.2458

Background



This preview shows how black text looks on a background with the XYZ color 19.2331, 8.5573, 95.2458.



This preview shows how white text looks on a background with the XYZ color 19.2331, 8.5573,

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

19.2331, 8.5573, 95.2458

Protanopia

9.5875, 8.3086, 36.6957

Deuteranopia

7.9039, 8.2341, 25.9837



Tritanopia

5.8066, 8.3084, 12.1241

Trichromacy



Original Color

19.2331, 8.5573, 95.2458

Protanomaly

12.0816, 7.6080, 54.2578

Deuteranomaly

10.4998, 7.2436, 45.1007

Tritanomaly

8.0439, 6.6417, 30.9950

Monochromacy



Original Color

19.2331, 8.5573, 95.2458

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.4016, 4.4037, 21.6317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2331, 8.5573, 95.2458 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(35, 31, 255)` looks like.

```
.text, #text, p{  
    color:rgb(35, 31, 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(35, 31, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 31, 255) }
```

Border

The CSS property to change the border of an element to XYZ 19.2331, 8.5573, 95.2458 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(35, 31, 255) }
```


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

```
.border{ border-color:rgb(35, 31, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 31, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 31, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 31, 255);  
box-shadow:4px 4px 4px 4px rgb(35, 31,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2331, 8.5573, 95.2458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 31, 255) }
```

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

```
.background{ background-color: rgb(35, 31,  
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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