

Converting Colors

XYZ(19.9157, 9.0782, 95.3103)

Have a look what the booklet for
XYZ(19.9157, 9.0782, 95.3103)
contains.

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Color

**XYZ(19.9177, 9.0750,
95.3096)**

Conversions

Conversions Part 1

Format	Color
Hex	3123FF
RGB	49, 35, 255
RGB Percent	19%, 14%, 100%
CMY	0.8078, 0.8628, 0.0000
CMYK	0.81, 0.86, 0.00, 0.00
HSL	244°, 100%, 57%
HSV	244°, 86%, 100%
XYZ	19.9177, 9.0750, 95.3096
YIQ	64.2660, -62.2760, 71.3880

Conversions

Conversions Part 2

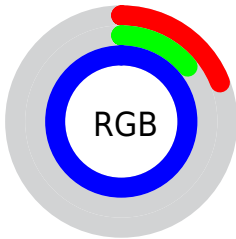
Format	Color
R _Y B	49, 35, 255
Decimal	3220479
CIE Lab	36.13, 72.30, -101.44
CIE LCh	36, 124.567, 305.477
Yxy	9.0750, 0.1602, 0.0730
Android (android.graphics.Color)	4281410559 (0xFF3123FF)
YUV	64.2660, 94.0319, -13.3883
Hunter-Lab	30.1247, 65.3013, -166.4962

Details

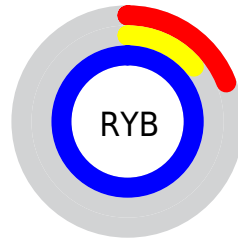
The XYZ color **19.9177, 9.0750, 95.3096** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **72.3284, 90.3367, 15.2140**, and the grayscale version is **4.7838, 5.0330, 5.4809**.

A 20% lighter version of the original color is **31.3790, 19.5189, 96.7214**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.5576, 7.6346, 95.1033**, and if you desaturate by 10%, it is **22.4314, 11.9157, 95.7254**.

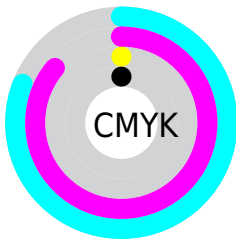
Distribution



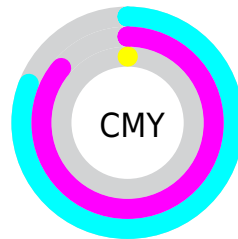
- Red (19%)
- Green (14%)
- Blue (100%)



- Red (19%)
- Yellow (14%)
- Blue (100%)



- Cyan (81%)
- Magenta (86%)
- Yellow (0%)
- Black (0%)




- Cyan (81%)
- Magenta (86%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9177, 9.0750, 95.3096 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 19.9177, 9.0750, 95.3096 by changing the saturation by 10% instead.


 19.9177, 9.0750,
95.3096


 19.9177, 9.0750,
95.3096


244.3113,
183.9364, 566.1653


 12.4431, 4.7901,
71.7944


 42.7842, 24.0405,
156.6915


 7.1206, 2.1247,
52.5049


 58.9068, 35.4899,
195.3953


 3.5846, 0.6784,
37.0227


 78.6428, 50.0962,
239.9990

 1.4699, 0.0000,
24.9291

 102.3576, 68.2440,
290.9211

 0.3052, 0.0000,
15.8057

 130.4164, 90.3175,
348.5803

 0.0000, 0.0000,
9.2339

 163.1848,

 0.0000, 0.0000,

116.7011, 413.3950

4.7952

201.0279,
147.7793, 485.7839

■ 0.0000, 0.0000,
2.0710

■ 0.0000, 0.0000,
0.5984

■ 19.9177, 9.0750,
95.3096

■ 19.9177, 9.0750,
95.3096

■ 18.5576, 7.6346,
95.1033

■ 22.4314, 11.9157,
95.7254

■ 18.2682, 7.3325,
95.0602

■ 26.2822, 16.4028,
96.3886

■ 31.6233, 22.7354,
97.3294

■ 38.5864, 31.0846,
98.5739

■ 47.2886, 41.6016,
100.1453

■ 57.8364, 54.4234,
102.0642

■ 70.3275, 69.6757,
104.3498

■ 84.8529, 87.4749,
107.0199

■ 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.



10.0685, 9.0750, 133.1530



19.9177, 9.0750, 95.3096



29.3671, 9.0750, 38.6252

Triad

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



19.9177, 9.0750, 95.3096



16.0551, 9.0750, 0.0000



0.7745, 9.0750, 14.3441

Complementary

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



19.9177, 9.0750, 95.3096



72.3284, 90.3367, 15.2140

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.



1.0501, 9.0750, 0.7402



19.9177, 9.0750, 95.3096



7.3275, 9.0750, 0.0000

Square

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



19.9177, 9.0750, 95.3096



26.3761, 9.0750, 0.0000



2.6912, 9.0750, 0.0000



1.4236, 9.0750, 58.0495

Rectangle

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



19.9177, 9.0750, 95.3096



32.2865, 9.0750, 13.4882



2.6912, 9.0750, 0.0000



0.7701, 9.0750, 6.9823

Sweetspot

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



19.9184, 9.0750, 95.3096



58.1571, 54.8143, 102.1227



51.0934, 72.2783, 105.8659



11.6159, 10.7193, 21.7068



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.



19.9184, 9.0750, 95.3096



18.2682, 7.3325, 95.0602



32.3603, 15.4890, 95.8918



17.1102, 17.4330, 22.7131



9.5859, 3.8522, 49.6729



0.9692, 0.3936, 4.8382

Inverse Universe

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



57.7134, 28.8106, 85.7143



56.7813, 27.4765, 83.7693



45.8939, 76.7092, 13.9769



18.7397, 18.2792, 22.5124



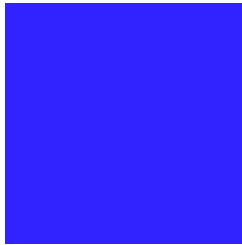
29.6909, 14.3656, 43.8841



2.9054, 1.4045, 4.3493

Previews

White Background



This preview shows how the XYZ color 19.9177, 9.0750, 95.3096 looks on a white background.

Color Contrast Check

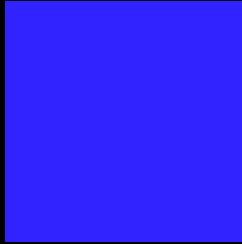
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9177, 9.0750, 95.3096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

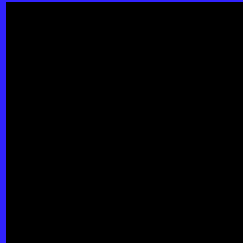
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.9177, 9.0750, 95.3096

Background



This preview shows how black text looks on a background with the XYZ color 19.9177, 9.0750, 95.3096.



This preview shows how white text looks on a background with the XYZ color 19.9177, 9.0750,

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

19.9177, 9.0750, 95.3096

Protanopia

10.1981, 8.7871, 39.1888

Deuteranopia

8.4422, 8.8300, 27.6450



Tritanopia

6.1190, 8.7105, 12.9141

Trichromacy



Original Color

19.9177, 9.0750, 95.3096

Protanomaly

12.6255, 8.0124, 56.1395

Deuteranomaly

10.9683, 7.7235, 46.2601

Tritanomaly

8.4832, 7.1299, 31.9394

Monochromacy



Original Color

19.9177, 9.0750, 95.3096

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

7.3104, 5.1695, 22.8028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9177, 9.0750, 95.3096 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(49, 35, 255)` looks like.

```
.text, #text, p{  
    color:rgb(49, 35, 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(49, 35, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 35, 255) }
```

Border

The CSS property to change the border of an element to XYZ 19.9177, 9.0750, 95.3096 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(49, 35, 255) }
```


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

```
.border{ border-color:rgb(49, 35, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 35, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 35, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 35, 255);  
box-shadow:4px 4px 4px 4px rgb(49, 35,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9177, 9.0750, 95.3096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 35, 255) }
```

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

```
.background{ background-color: rgb(49, 35,  
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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