

Converting Colors

XYZ(19.5212, 7.9785, 95.1189)

Have a look what the booklet for
XYZ(19.5212, 7.9785, 95.1189)
contains.

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Color

**XYZ(19.5182, 7.9769,
95.1187)**

Conversions

Conversions Part 1

Format	Color
Hex	3500FF
RGB	53, 0, 255
RGB Percent	21%, 0%, 100%
CMY	0.7921, 1.0000, 0.0000
CMYK	0.79, 1.00, 0.00, 0.00
HSL	252°, 100%, 50%
HSV	252°, 100%, 100%
XYZ	19.5182, 7.9769, 95.1187
YIQ	44.9170, -50.2670, 90.5410

Conversions

Conversions Part 2

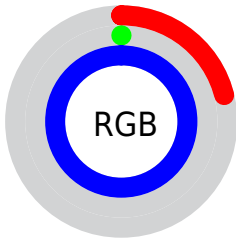
Format	Color
R_{YB}	53, 0, 255
Decimal	3473663
CIE _{Lab}	33.93, 79.75, -105.10
CIE _{LCh}	34, 131.930, 307.193
Yxy	7.9769, 0.1592, 0.0651
Android (android.graphics.Color)	4281663743 (0xFF3500FF)
YUV	44.9170, 103.5709, 7.0888
Hunter-Lab	28.2434, 73.9302, -179.9076

Details

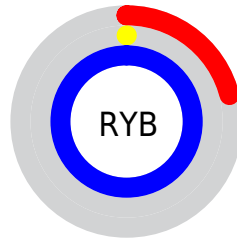
The XYZ color **19.5182, 7.9769, 95.1187** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **60.1123, 84.0741, 13.0597**, and the grayscale version is **2.3896, 2.5140, 2.7378**.

A 20% lighter version of the original color is **30.6521, 17.3518, 96.3414**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **19.5191, 7.9774, 95.1188**, and if you desaturate by 10%, it is **21.1725, 9.3618, 95.2988**.

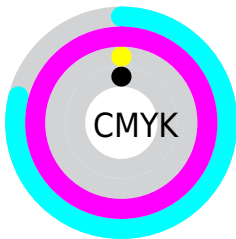
Distribution



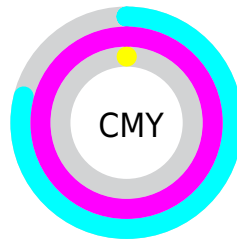
- Red (21%)
- Green (0%)
- Blue (100%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.5182, 7.9769, 95.1187 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 19.5182, 7.9769, 95.1187 by changing the saturation by 10% instead.


 19.5182, 7.9769,
95.1187


 19.5182, 7.9769,
95.1187


242.1784,
175.5507, 565.5390


 12.1515, 4.0802,
71.6363


 42.1181, 21.9131,
156.4256


 6.9199, 1.7185,
52.3766


 58.0820, 32.7215,
195.0872


 3.4579, 0.4356,
36.9211


 77.6423, 46.6024,
239.6456

 1.4003, 0.0000,
24.8511

 101.1645, 63.9404,
290.5194

 0.2564, 0.0000,
15.7481

 129.0138, 85.1198,
348.1271

 0.0000, 0.0000,
9.1937


 161.5557,


 0.0000, 0.0000,


110.5251, 412.8872


4.7692


 199.1554,
140.5406, 485.2183

 0.0000, 0.0000,
2.0561


 0.0000, 0.0000,
0.5895


 19.5182, 7.9769,
95.1187


 19.5182, 7.9769,
95.1187

 19.5191, 7.9774,
95.1188

 21.1725, 9.3618,
95.2988

 23.7901, 11.9365,
95.6578

 27.5581, 16.0095,
96.2454

 32.6027, 21.7755,
97.0925

■ 39.0322, 29.3991,
98.2251

■ 46.9430, 39.0249,
99.6661

■ 56.4224, 50.7832,
101.4361

■ 67.5509, 64.7929,
103.5537

■ 80.4034, 81.1642,
106.0363

Harmonies

Analogous

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



9.4649, 7.9769, 139.0477



19.5182, 7.9769, 95.1187



29.0630, 7.9769, 35.1767

Triad

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



19.5182, 7.9769, 95.1187



14.3718, 7.9769, 0.0000



0.3754, 7.9769, 14.7056

Complementary

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



19.5182, 7.9769, 95.1187



60.1123, 84.0741, 13.0597

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.



0.6019, 7.9769, 0.5152



19.5182, 7.9769, 95.1187



5.9667, 7.9769, 0.0000

Square

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



19.5182, 7.9769, 95.1187



24.9935, 7.9769, 0.0000



1.8910, 7.9769, 0.0000



1.0159, 7.9769, 62.0849

Rectangle

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



19.5182, 7.9769, 95.1187



31.7720, 7.9769, 10.7913



1.8910, 7.9769, 0.0000



0.3539, 7.9769, 6.8732

Sweetspot

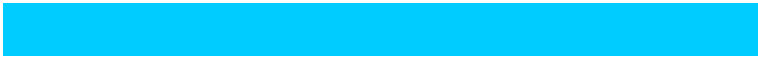
The Sweet Spot groups the original color and five complimentary colors.



19.5191, 7.9774, 95.1188



56.4224, 50.7832, 101.4361



39.6429, 50.4057, 102.2476



11.1792, 9.7512, 21.5429



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.



19.5191, 7.9774, 95.1188



36.5250, 16.7442, 95.9146



17.3558, 17.5596, 22.7245



10.2974, 4.2190, 49.7062



1.0881, 0.4548, 4.8437

Inverse Universe

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



51.8986, 25.5234, 58.0572



38.7804, 73.0771, 12.0614



18.6214, 18.2319, 21.8892



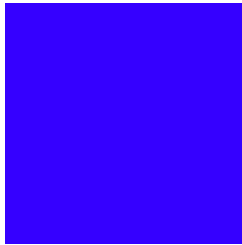
27.1743, 13.3590, 30.6321



2.6846, 1.3162, 3.1865

Previews

White Background



This preview shows how the XYZ color 19.5182, 7.9769, 95.1187 looks on a white background.

Color Contrast Check

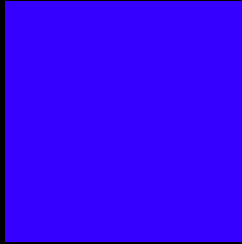
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5182, 7.9769, 95.1187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

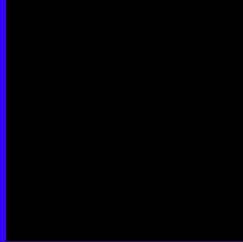
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.5182, 7.9769, 95.1187

Background



This preview shows how black text looks on a background with the XYZ color 19.5182, 7.9769, 95.1187.



This preview shows how white text looks on a background with the XYZ color 19.5182, 7.9769,

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

19.5182, 7.9769, 95.1187

Protanopia

9.3352, 8.0931, 35.7204

Deuteranopia

7.6807, 8.0215, 25.1882



Tritanopia

5.5928, 7.9529, 11.8300

Trichromacy



Original Color

19.5182, 7.9769, 95.1187

Protanomaly

11.3730, 6.4052, 52.8615

Deuteranomaly

9.8822, 6.0208, 44.3574

Tritanomaly

7.4815, 5.3646, 30.7781

Monochromacy



Original Color

19.5182, 7.9769, 95.1187

Achromatopsia

2.4942, 2.6241, 2.8577

Achromatomaly

5.1095, 2.8876, 18.3772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5182, 7.9769, 95.1187 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(53, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(53, 0, 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(53, 0, 255) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 19.5182, 7.9769, 95.1187 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(53, 0, 255) }
```

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

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

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

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

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

Background

The CSS property to change the background color of an element to XYZ 19.5182, 7.9769, 95.1187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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