

Converting Colors

XYZ(19.4397, 9.9995, 95.5132)

Have a look what the booklet for
XYZ(19.4397, 9.9995, 95.5132)
contains.

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Color

**XYZ(19.4162, 9.9524,
95.5054)**

Conversions

Conversions Part 1

Format	Color
Hex	0037FF
RGB	0, 55, 255
RGB Percent	0%, 22%, 100%
CMY	0.9997, 0.7843, 0.0000
CMYK	1.00, 0.78, 0.00, 0.00
HSL	227°, 100%, 50%
HSV	227°, 100%, 100%
XYZ	19.4162, 9.9524, 95.5054
YIQ	61.3550, -96.9800, 50.5400

Conversions

Conversions Part 2

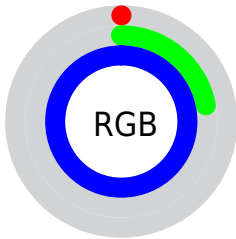
Format	Color
R _Y B	0, 45, 255
Decimal	14335
CIE Lab	37.76, 62.76, -98.76
CIE LCh	38, 117.019, 302.435
Yxy	9.9524, 0.1555, 0.0797
Android (android.graphics.Color)	4278204415 (0xFF0037FF)
YUV	61.3550, 95.4670, -53.8083
Hunter-Lab	31.5474, 54.6517, -157.4090

Details

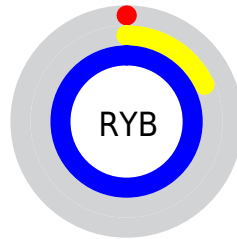
The XYZ color **19.4162, 9.9524, 95.5054** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **61.9134, 62.6062, 8.8232**, and the grayscale version is **4.3677, 4.5952, 5.0042**.

A 20% lighter version of the original color is **30.5728, 21.1747, 97.0835**, and **10.0181, 4.0941, 52.4868** is the 20% darker color. If you saturate the color by 10%, you get **19.4131, 9.9463, 95.5044**, and if you desaturate by 10%, it is **20.9815, 12.4665, 95.9082**.

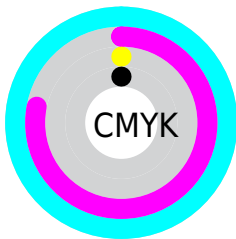
Distribution



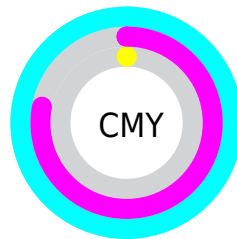
- Red (0%)
- Green (22%)
- Blue (100%)



- Red (0%)
- Yellow (18%)
- Blue (100%)



- Cyan (100%)
- Magenta (78%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (78%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4162, 9.9524, 95.5054 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 19.4162, 9.9524, 95.5054 by changing the saturation by 10% instead.


 19.4162, 9.9524,
95.5054


 19.4162, 9.9524,
95.5054


241.6311,
190.3320, 566.8073


 12.0772, 5.3674,
71.9565


 41.9477, 25.7059,
156.9642

 6.8688, 2.4644,
52.6365

 57.8708, 37.6433,
195.7112

 3.4258, 0.8587,
37.1269


 77.3861, 52.8002,
240.3613

 1.3827, 0.0000,
25.0092

 100.8588, 71.5610,
291.3331

 0.2439, 0.0000,
15.8649

 128.6543, 94.3102,
349.0450

 0.0000, 0.0000,
9.2753

 161.1379,

 0.0000, 0.0000,

121.4322, 413.9157

4.8219

198.6751,
153.3113, 486.3636

■ 0.0000, 0.0000,
2.0862

■ 0.0000, 0.0000,
0.6076

■ 19.4162, 9.9524,
95.5054

■ 19.4162, 9.9524,
95.5054

■ 19.4131, 9.9463,
95.5044

■ 20.9815, 12.4665,
95.9082

■ 23.5120, 16.1117,
96.4784

■ 27.2089, 21.0450,
97.2358

■ 32.2051, 27.3831,
98.1958

■ 38.6144, 35.2283,
99.3723

■ 46.5379, 44.6729,
100.7777

■ 56.0668, 55.8017,
102.4235

■ 67.2852, 68.6930,
104.3205

■ 80.2709, 83.4202,
106.4787

Harmonies

Analogous

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



10.0815, 9.9524, 125.3231



19.4162, 9.9524, 95.5054



28.7011, 9.9524, 43.0889

Triad

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



19.4162, 9.9524, 95.5054



17.7623, 9.9524, 0.0000



1.1503, 9.9524, 12.6754

Complementary

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



19.4162, 9.9524, 95.5054



61.9134, 62.6062, 8.8232

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.



1.5937, 9.9524, 0.7653



19.4162, 9.9524, 95.5054



8.8636, 9.9524, 0.0000

Square

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



19.4162, 9.9524, 95.5054



27.4438, 9.9524, 0.1633



3.6668, 9.9524, 0.0000



1.7867, 9.9524, 51.1226

Rectangle

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



19.4162, 9.9524, 95.5054



31.9658, 9.9524, 17.1881



3.6668, 9.9524, 0.0000



1.1780, 9.9524, 6.2812

Sweetspot

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



19.4169, 9.9524, 95.5054



56.0358, 55.7658, 102.4182



46.1590, 75.6797, 66.6754



11.0914, 10.8873, 21.7668



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.



19.4169, 9.9524, 95.5054



19.4131, 9.9463, 95.5044



20.7461, 8.6111, 95.1764



17.3202, 18.0119, 22.8137



10.2314, 5.3725, 49.9323



1.0718, 0.6743, 4.8869

Inverse Universe

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



41.9303, 21.5374, 5.5610



41.9280, 21.5352, 5.5532



55.2346, 81.5595, 12.8336



18.1695, 18.0511, 19.5097



21.9526, 11.2703, 3.1347



2.1756, 1.1126, 0.5061

Previews

White Background



This preview shows how the XYZ color 19.4162, 9.9524, 95.5054 looks on a white background.

Color Contrast Check

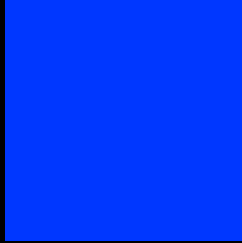
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4162, 9.9524, 95.5054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

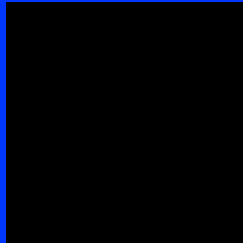
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.4162, 9.9524, 95.5054

Background



This preview shows how black text looks on a background with the XYZ color 19.4162, 9.9524, 95.5054.



This preview shows how white text looks on a background with the XYZ color 19.4162, 9.9524,

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

19.4162, 9.9524, 95.5054

Deuteranopia

9.4086, 9.7492, 31.0917

Tritanopia

6.8159, 9.7146, 14.3478

Trichromacy



Original Color

19.4162, 9.9524, 95.5054

Deuteranomaly

11.9097, 9.1229, 49.2773

Tritanomaly

9.1888, 8.5032, 33.5047

Monochromacy



Original Color

19.4162, 9.9524, 95.5054

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

6.5655, 5.2252, 22.4923

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4162, 9.9524, 95.5054 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, 55, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 55, 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, 55, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 55, 255) }
```

Border

The CSS property to change the border of an element to XYZ 19.4162, 9.9524, 95.5054 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, 55, 255) }
```

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

```
.border{ border-color:rgb(0, 55, 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, 55, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 55, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 55, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 55, 255)  
}
```


Background

The CSS property to change the background color of an element to XYZ 19.4162, 9.9524, 95.5054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 55, 255) }
```

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

```
.background{ background-color: rgb(0, 55,  
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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