

Converting Colors

XYZ(19.6218, 8.0303, 95.1236)

Have a look what the booklet for
XYZ(19.6218, 8.0303, 95.1236)
contains.

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Color

**XYZ(19.6255, 8.0322,
95.1237)**

Conversions

Conversions Part 1

Format	Color
Hex	3700FF
RGB	55, 0, 255
RGB Percent	22%, 0%, 100%
CMY	0.7842, 1.0000, 0.0000
CMYK	0.78, 1.00, 0.00, 0.00
HSL	253°, 100%, 50%
HSV	253°, 100%, 100%
XYZ	19.6255, 8.0322, 95.1237
YIQ	45.5150, -49.0750, 90.9650

Conversions

Conversions Part 2

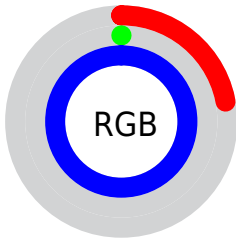
Format	Color
R _Y B	55, 0, 255
Decimal	3604735
CIE Lab	34.05, 79.80, -104.90
CIE LCh	34, 131.801, 307.259
Yxy	8.0322, 0.1598, 0.0654
Android (android.graphics.Color)	4281794815 (0xFF3700FF)
YUV	45.5150, 103.2761, 8.3183
Hunter-Lab	28.3411, 74.0096, -179.1611

Details

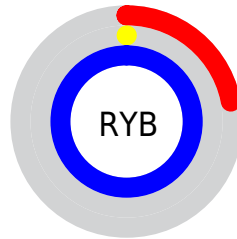
The XYZ color **19.6255, 8.0322, 95.1237** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **59.5750, 83.7971, 13.0345**, and the grayscale version is **2.4493, 2.5769, 2.8062**.

A 20% lighter version of the original color is **30.9800, 17.5208, 96.3568**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **19.6264, 8.0327, 95.1238**, and if you desaturate by 10%, it is **21.3112, 9.4333, 95.3053**.

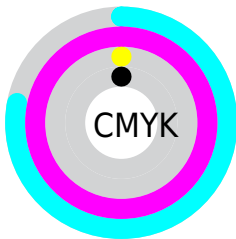
Distribution



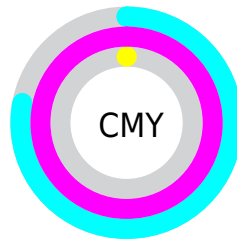
- Red (22%)
- Green (0%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6255, 8.0322, 95.1237 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 19.6255, 8.0322, 95.1237 by changing the saturation by 10% instead.

■ 19.6255, 8.0322,
95.1237

■ 19.6255, 8.0322,
95.1237

242.7528,
175.9843, 565.5554

■ 12.2298, 4.1156,
71.6405

■ 42.2972, 22.0215,
156.4325

■ 6.9737, 1.7384,
52.3800

■ 58.3038, 32.8630,
195.0952

■ 3.4918, 0.4483,
36.9237

■ 77.9115, 46.7816,
239.6548

■ 1.4189, 0.0000,
24.8531

■ 101.4856, 64.1616,
290.5299

■ 0.2696, 0.0000,
15.7496

■ 129.3914, 85.3875,
348.1389

■ 0.0000, 0.0000,
9.1947


■ 161.9943,


■ 0.0000, 0.0000,

110.8437, 412.9005


4.7699

 199.6597,
140.9145, 485.2331


 0.0000, 0.0000,
2.0565


 0.0000, 0.0000,
0.5897


 19.6255, 8.0322,
95.1237


 19.6255, 8.0322,
95.1237

 19.6264, 8.0327,
95.1238

 21.3112, 9.4333,
95.3053

 23.9545, 12.0213,
95.6655

 27.7408, 16.1037,
96.2540

 32.7946, 21.8745,
97.1015

■ 39.2233, 29.4976,
98.2341

■ 47.1219, 39.1172,
99.6745

■ 56.5770, 50.8629,
101.4433

■ 67.6682, 64.8533,
103.5592

■ 80.4694, 81.1982,
106.0394

Harmonies

Analogous

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



9.5425, 8.0322, 139.1461



19.6255, 8.0322, 95.1237



29.1761, 8.0322, 35.1828

Triad

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



19.6255, 8.0322, 95.1237



14.4213, 8.0322, 0.0000



0.3911, 8.0322, 14.8495

Complementary

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



19.6255, 8.0322, 95.1237



59.5750, 83.7971, 13.0345

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.



0.6155, 8.0322, 0.5424



19.6255, 8.0322, 95.1237



5.9993, 8.0322, 0.0000

Square

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



19.6255, 8.0322, 95.1237



25.0641, 8.0322, 0.0000



1.9100, 8.0322, 0.0000



1.0352, 8.0322, 62.3568

Rectangle

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



19.6255, 8.0322, 95.1237



31.8750, 8.0322, 10.8052



1.9100, 8.0322, 0.0000



0.3690, 8.0322, 6.9661

Sweetspot

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



19.6264, 8.0327, 95.1238



56.5770, 50.8629, 101.4433



39.6429, 50.4057, 102.2476



11.2148, 9.7696, 21.5446



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.



19.6264, 8.0327, 95.1238



36.5250, 16.7442, 95.9146



17.3693, 17.5666, 22.7252



10.3565, 4.2494, 49.7090



1.0956, 0.4587, 4.8441

Inverse Universe

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



51.6634, 25.4294, 56.8189



38.7804, 73.0771, 12.0614



18.6150, 18.2293, 21.8556



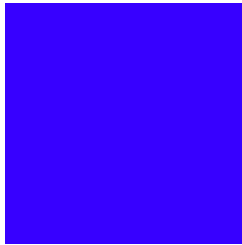
27.0528, 13.3104, 29.9923



2.6738, 1.3119, 3.1294

Previews

White Background



This preview shows how the XYZ color 19.6255, 8.0322, 95.1237 looks on a white background.

Color Contrast Check

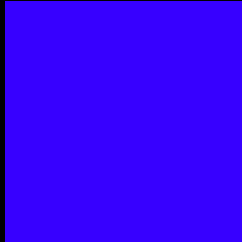
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6255, 8.0322, 95.1237 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 19.6255, 8.0322, 95.1237

Background



This preview shows how black text looks on a background with the XYZ color 19.6255, 8.0322, 95.1237.



This preview shows how white text looks on a background with the XYZ color 19.6255, 8.0322,

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

19.6255, 8.0322, 95.1237

Protanopia

9.3352, 8.0931, 35.7204

Deuteranopia

7.7535, 8.0506, 25.5714



Tritanopia

5.6765, 8.1205, 11.8579

Trichromacy



Original Color

19.6255, 8.0322, 95.1237

Protanomaly

11.3929, 6.4154, 52.8624

Deuteranomaly

9.9021, 6.0311, 44.3583

Tritanomaly

7.5014, 5.3749, 30.7791

Monochromacy



Original Color

19.6255, 8.0322, 95.1237

Achromatopsia

2.5969, 2.7321, 2.9752

Achromatomaly

5.2188, 2.9368, 18.7042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6255, 8.0322, 95.1237 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(55, 0, 255)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 19.6255, 8.0322, 95.1237 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(55, 0, 255) }
```

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

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

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

Background

The CSS property to change the background color of an element to XYZ 19.6255, 8.0322, 95.1237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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