

Converting Colors

XYZ(19.8168, 8.6627, 95.2354)

Have a look what the booklet for
XYZ(19.8168, 8.6627, 95.2354)
contains.

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Color

**XYZ(19.8138, 8.6453,
95.2322)**

Conversions

Conversions Part 1

Format	Color
Hex	3419FF
RGB	52, 25, 255
RGB Percent	20%, 10%, 100%
CMY	0.7960, 0.9020, 0.0000
CMYK	0.80, 0.90, 0.00, 0.00
HSL	247°, 100%, 55%
HSV	247°, 90%, 100%
XYZ	19.8138, 8.6453, 95.2322
YIQ	59.2930, -57.7380, 77.2540

Conversions

Conversions Part 2

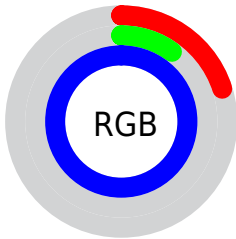
Format	Color
R _Y B	52, 25, 255
Decimal	3414527
CIE Lab	35.29, 75.38, -102.83
CIE LCh	35, 127.502, 306.244
Yxy	8.6453, 0.1602, 0.0699
Android (android.graphics.Color)	4281604607 (0xFF3419FF)
YUV	59.2930, 96.4836, -6.3960
Hunter-Lab	29.4029, 68.8312, -171.4507

Details

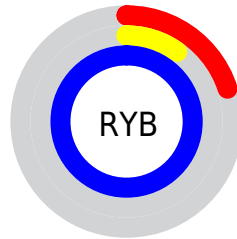
The XYZ color **19.8138, 8.6453, 95.2322** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **67.9206, 88.0791, 14.3402**, and the grayscale version is **4.0753, 4.2875, 4.6691**.

A 20% lighter version of the original color is **31.2120, 18.7115, 96.5744**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.5845, 7.4955, 95.0750**, and if you desaturate by 10%, it is **22.0759, 11.0198, 95.5712**.

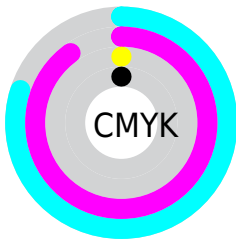
Distribution



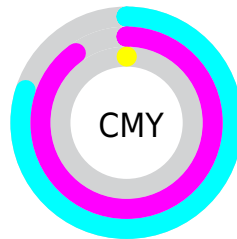
- Red (20%)
- Green (10%)
- Blue (100%)



- Red (20%)
- Yellow (10%)
- Blue (100%)



- Cyan (80%)
- Magenta (90%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (90%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8138, 8.6453, 95.2322 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 19.8138, 8.6453, 95.2322 by changing the saturation by 10% instead.


 19.8138, 8.6453,
95.2322

 19.8138, 8.6453,
95.2322


243.7581,
180.7093, 565.9114


 12.3672, 4.5106,
71.7303


 42.6111, 23.2141,
156.5837

 7.0683, 1.9631,
52.4529


 58.6926, 34.4170,
195.2704


 3.5515, 0.5859,
36.9815


 78.3831, 48.7447,
239.8557

 1.4517, 0.0000,
24.8975

 102.0479, 66.5816,
290.7583

 0.2926, 0.0000,
15.7824

 130.0525, 88.3121,
348.3966

 0.0000, 0.0000,
9.2176

 162.7622,

 0.0000, 0.0000,

114.3206, 413.1892

4.7846

200.5422,
144.9916, 485.5546

■ 0.0000, 0.0000,
2.0649

■ 0.0000, 0.0000,
0.5948

■ 19.8138, 8.6453,
95.2322

■ 19.8138, 8.6453,
95.2322

■ 18.5845, 7.4955,
95.0750

■ 22.0759, 11.0198,
95.5712

■ 25.5660, 14.9300,
96.1420

■ 30.4317, 20.5818,
96.9765

■ 36.7986, 28.1492,
98.1016

■ 44.7781, 37.7847,
99.5409

■ 54.4708, 49.6256,
101.3155

■ 65.9693, 63.7971,
103.4449

■ 79.3592, 80.4152,
105.9468

94.7208, 99.5881,
108.8378

Harmonies

Analogous

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



9.8623, 8.6453, 135.6058



19.8138, 8.6453, 95.2322



29.3057, 8.6453, 37.1856

Triad

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



19.8138, 8.6453, 95.2322



15.3777, 8.6453, 0.0000



0.6195, 8.6453, 14.5722

Complementary

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



19.8138, 8.6453, 95.2322



67.9206, 88.0791, 14.3402

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.



0.8649, 8.6453, 0.6631



19.8138, 8.6453, 95.2322



6.7658, 8.6453, 0.0000

Square

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



19.8138, 8.6453, 95.2322



25.8425, 8.6453, 0.0000



2.3521, 8.6453, 0.0000



1.2575, 8.6453, 59.8340

Rectangle

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



19.8138, 8.6453, 95.2322



32.1326, 8.6453, 12.3403



2.3521, 8.6453, 0.0000



0.6077, 8.6453, 6.9901

Sweetspot

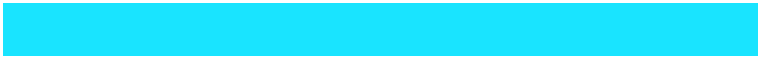
The Sweet Spot groups the original color and five complimentary colors.



19.8145, 8.6453, 95.2321



57.9506, 53.9023, 101.9576



46.2395, 63.0043, 104.3317



11.6107, 10.5627, 21.6768



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.



19.8145, 8.6453, 95.2321



18.5845, 7.4955, 95.0750



34.2976, 16.1116, 95.9099



17.2012, 17.4799, 22.7173



9.7730, 3.9486, 49.6817



1.0121, 0.4157, 4.8402

Inverse Universe

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



55.5867, 27.5545, 75.7654



54.8351, 26.6980, 73.5209



42.7659, 75.1114, 13.1630



18.6953, 18.2614, 22.2787



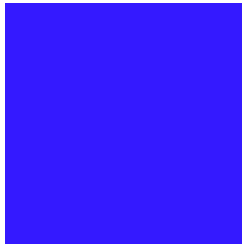
28.6891, 13.9649, 38.6088



2.8183, 1.3697, 3.8904

Previews

White Background



This preview shows how the XYZ color 19.8138, 8.6453, 95.2322 looks on a white background.

Color Contrast Check

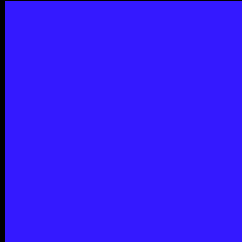
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8138, 8.6453, 95.2322 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 19.8138, 8.6453, 95.2322

Background



This preview shows how black text looks on a background with the XYZ color 19.8138, 8.6453, 95.2322.



This preview shows how white text looks on a background with the XYZ color 19.8138, 8.6453,

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

19.8138, 8.6453, 95.2322

Protanopia

9.7710, 8.3820, 37.6621

Deuteranopia

8.0562, 8.4201, 26.3999



Tritanopia

5.8524, 8.3267, 12.3651

Trichromacy



Original Color

19.8138, 8.6453, 95.2322

Protanomaly

12.1413, 7.3899, 54.8193

Deuteranomaly

10.4896, 7.0709, 45.0679

Tritanomaly

8.1084, 6.4859, 31.3964

Monochromacy



Original Color

19.8138, 8.6453, 95.2322

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.6767, 4.4855, 21.6330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8138, 8.6453, 95.2322 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(52, 25, 255)` looks like.

```
.text, #text, p{  
    color:rgb(52, 25, 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(52, 25, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 25, 255) }
```

Border

The CSS property to change the border of an element to XYZ 19.8138, 8.6453, 95.2322 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(52, 25, 255) }
```


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

```
.border{ border-color:rgb(52, 25, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 25, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 25, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 25, 255);  
box-shadow:4px 4px 4px 4px rgb(52, 25,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8138, 8.6453, 95.2322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 25, 255) }
```

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

```
.background{ background-color: rgb(52, 25,  
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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