

Converting Colors

XYZ(19.5686, 8.5847, 95.2334)

Have a look what the booklet for
XYZ(19.5686, 8.5847, 95.2334)
contains.

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Color

**XYZ(19.5686, 8.5847,
95.2334)**

Conversions

Conversions Part 1

Format	Color
Hex	2E1BFF
RGB	46, 27, 255
RGB Percent	18%, 11%, 100%
CMY	0.8195, 0.8942, 0.0000
CMYK	0.82, 0.89, 0.00, 0.00
HSL	245°, 100%, 55%
HSV	245°, 89%, 100%
XYZ	19.5686, 8.5847, 95.2334
YIQ	58.6730, -61.8640, 74.9360

Conversions

Conversions Part 2

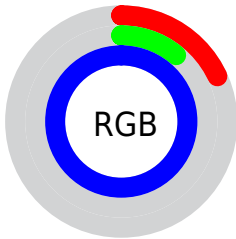
Format	Color
R_{YB}	46, 27, 255
Decimal	3021823
CIE _{Lab}	35.17, 74.67, -103.04
CIE _{LCh}	35, 127.252, 305.931
Yxy	8.5847, 0.1586, 0.0696
Android (android.graphics.Color)	4281211903 (0xFF2E1BFF)
YUV	58.6730, 96.7892, -11.1142
Hunter-Lab	29.2997, 67.9418, -172.2020

Details

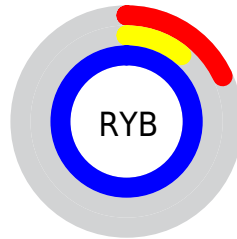
The XYZ color **19.5686, 8.5847, 95.2334** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **70.5399, 89.4268, 14.5795**, and the grayscale version is **3.9923, 4.2002, 4.5740**.

A 20% lighter version of the original color is **30.7360, 18.4662, 96.5521**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.4115, 7.4304, 95.0716**, and if you desaturate by 10%, it is **21.7821, 10.9995, 95.5828**.

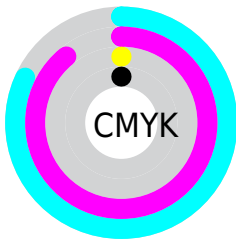
Distribution



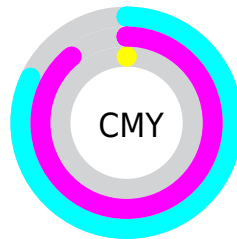
- Red (18%)
- Green (11%)
- Blue (100%)



- Red (18%)
- Yellow (11%)
- Blue (100%)



- Cyan (82%)
- Magenta (89%)
- Yellow (0%)
- Black (0%)




- Cyan (82%)
- Magenta (89%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.5686, 8.5847, 95.2334 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 19.5686, 8.5847, 95.2334 by changing the saturation by 10% instead.


 19.5686, 8.5847,
95.2334


 19.5686, 8.5847,
95.2334


242.4483,
180.2488, 565.9153


 12.1883, 4.4713,
71.7313


 42.2022, 23.0970,
156.5854


 6.9452, 1.9405,
52.4537


 58.1862, 34.2646,
195.2723


 3.4738, 0.5726,
36.9821


 77.7688, 48.5525,
239.8579

 1.4090, 0.0000,
24.8980

 101.3154, 66.3450,
290.7608

 0.2626, 0.0000,
15.7827

 129.1912, 88.0264,
348.3994

 0.0000, 0.0000,
9.2178

 161.7618,

 0.0000, 0.0000,

113.9813, 413.1924

4.7848

199.3924,
144.5940, 485.5581

■ 0.0000, 0.0000,
2.0650

■ 0.0000, 0.0000,
0.5948

■ 19.5686, 8.5847,
95.2334

■ 19.5686, 8.5847,
95.2334

■ 18.4115, 7.4304,
95.0716

■ 21.7821, 10.9995,
95.5828

■ 18.3653, 7.3825,
95.0648

■ 25.2639, 14.9821,
96.1680

■ 30.1695, 20.7405,
97.0209

■ 36.6312, 28.4505,
98.1686

■ 44.7660, 38.2669,
99.6346

■ 54.6797, 50.3288,
101.4402

■ 66.4695, 64.7635,
103.6050

■ 80.2252, 81.6886,
106.1469

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.



9.7074, 8.5847, 134.8846



19.5686, 8.5847, 95.2334



29.0387, 8.5847, 37.4480

Triad

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



19.5686, 8.5847, 95.2334



15.3806, 8.5847, 0.0000



0.6111, 8.5847, 14.1800

Complementary

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



19.5686, 8.5847, 95.2334



70.5399, 89.4268, 14.5795

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.



0.8648, 8.5847, 0.6113



19.5686, 8.5847, 95.2334



6.7856, 8.5847, 0.0000

Square

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



19.5686, 8.5847, 95.2334



25.7684, 8.5847, 0.0000



2.3614, 8.5847, 0.0000



1.2345, 8.5847, 58.8344

Rectangle

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



19.5686, 8.5847, 95.2334



31.9075, 8.5847, 12.5212



2.3614, 8.5847, 0.0000



0.6023, 8.5847, 6.7609

Sweetspot

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



19.5693, 8.5847, 95.2333



57.3525, 53.5940, 101.9296



48.4969, 67.4433, 105.0695



11.4741, 10.4922, 21.6704



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.



19.5693, 8.5847, 95.2333



18.3653, 7.3825, 95.0648



32.9380, 15.4765, 95.8590



17.1435, 17.4502, 22.7146



9.6445, 3.8824, 49.6756



0.9849, 0.4017, 4.8389

Inverse Universe

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



56.7677, 28.0978, 81.7655



56.0507, 27.1843, 79.9222



43.9829, 75.7362, 13.3367



18.7234, 18.2727, 22.4266



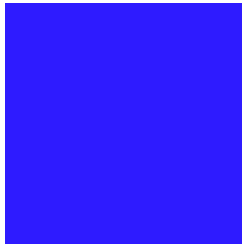
29.3150, 14.2153, 41.9047



2.8728, 1.3915, 4.1777

Previews

White Background



This preview shows how the XYZ color 19.5686, 8.5847, 95.2334 looks on a white background.

Color Contrast Check

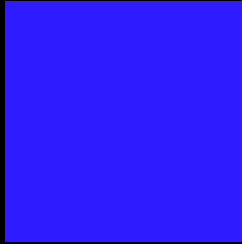
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5686, 8.5847, 95.2334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

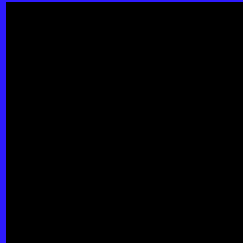
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.5686, 8.5847, 95.2334

Background



This preview shows how black text looks on a background with the XYZ color 19.5686, 8.5847, 95.2334.



This preview shows how white text looks on a background with the XYZ color 19.5686, 8.5847,

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

19.5686, 8.5847, 95.2334

Protanopia

9.6789, 8.3451, 37.1770

Deuteranopia

8.0562, 8.4201, 26.3999



Tritanopia

5.8066, 8.3084, 12.1241

Trichromacy



Original Color

19.5686, 8.5847, 95.2334

Protanomaly

12.0401, 7.4281, 54.2253

Deuteranomaly

10.5081, 7.1634, 45.0848

Tritanomaly

8.0481, 6.5533, 30.9777

Monochromacy



Original Color

19.5686, 8.5847, 95.2334

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.5671, 4.4290, 21.6279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5686, 8.5847, 95.2334 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(46, 27, 255)` looks like.

```
.text, #text, p{  
    color:rgb(46, 27, 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(46, 27, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 27, 255) }
```

Border

The CSS property to change the border of an element to XYZ 19.5686, 8.5847, 95.2334 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(46, 27, 255) }
```


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

```
.border{ border-color:rgb(46, 27, 255) }
```

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

Here you see how a box with a 4 pixel rgb(46, 27, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 27, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 27, 255);  
box-shadow:4px 4px 4px 4px rgb(46, 27,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5686, 8.5847, 95.2334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 27, 255) }
```

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

```
.background{ background-color: rgb(46, 27,  
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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