

Converting Colors

XYZ(19.5269, 8.4348, 95.2066)

Have a look what the booklet for
XYZ(19.5269, 8.4348, 95.2066)
contains.

XYZ(19.5287, 8.4371, 95.2070)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.5287, 8.4371,
95.2070)**

Conversions

Conversions Part 1

Format	Color
Hex	2F17FF
RGB	47, 23, 255
RGB Percent	18%, 9%, 100%
CMY	0.8156, 0.9099, 0.0000
CMYK	0.82, 0.91, 0.00, 0.00
HSL	246°, 100%, 55%
HSV	246°, 91%, 100%
XYZ	19.5287, 8.4371, 95.2070
YIQ	56.6240, -60.1680, 77.2400

Conversions

Conversions Part 2

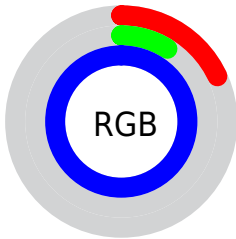
Format	Color
RYB	47, 23, 255
Decimal	3086335
CIELab	34.88, 75.74, -103.53
CIELCh	35, 128.279, 306.189
Yxy	8.4371, 0.1585, 0.0685
Android (android.graphics.Color)	4281276415 (0xFF2F17FF)
YUV	56.6240, 97.7994, -8.4402
Hunter-Lab	29.0467, 69.1776, -174.0035

Details

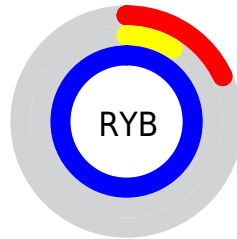
The XYZ color **19.5287, 8.4371, 95.2070** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **68.8582, 88.5649, 14.2754**, and the grayscale version is **3.7227, 3.9165, 4.2651**.

A 20% lighter version of the original color is **30.7402, 18.2411, 96.5084**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.4867, 7.4451, 95.0704**, and if you desaturate by 10%, it is **21.6441, 10.6715, 95.5268**.

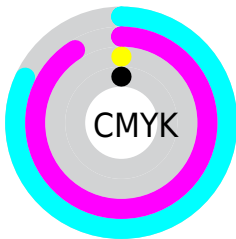
Distribution



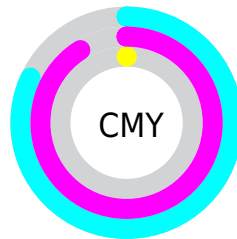
- Red (18%)
- Green (9%)
- Blue (100%)



- Red (18%)
- Yellow (9%)
- Blue (100%)



- Cyan (82%)
- Magenta (91%)
- Yellow (0%)
- Black (0%)



- Cyan (82%)
- Magenta (91%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5287, 8.4371, 95.2070 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 19.5287, 8.4371, 95.2070 by changing the saturation by 10% instead.

■ 19.5287, 8.4371,
95.2070

■ 19.5287, 8.4371,
95.2070

242.2346,
179.1213, 565.8287

■ 12.1592, 4.3759,
71.7094

■ 42.1356, 22.8110,
156.5486

■ 6.9252, 1.8860,
52.4360

■ 58.1037, 33.8924,
195.2297

■ 3.4613, 0.5399,
36.9681

■ 77.6687, 48.0828,
239.8091

■ 1.4021, 0.0000,
24.8872

■ 101.1959, 65.7664,
290.7052

■ 0.2577, 0.0000,
15.7748

■ 129.0508, 87.3276,
348.3367

■ 0.0000, 0.0000,
9.2123

■ 161.5986,

■ 0.0000, 0.0000,

113.1509, 413.1221

4.7812

199.2048,
143.6207, 485.4799

0.0000, 0.0000,
2.0630

0.0000, 0.0000,
0.5936

19.5287, 8.4371,
95.2070

19.5287, 8.4371,
95.2070

18.4867, 7.4451,
95.0704

21.6441, 10.6715,
95.5268

24.9856, 14.4292,
96.0760

29.7070, 19.9215,
96.8872

35.9385, 27.3259,
97.9880

■ 43.7952, 36.7978,
99.4022

■ 53.3809, 48.4768,
101.1512

■ 64.7906, 62.4900,
103.2547

■ 78.1126, 78.9551,
105.7306

■ 93.4291, 97.9817,
108.5959

Harmonies

Analogous

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



9.6341, 8.4371, 135.7376



19.5287, 8.4371, 95.2070



29.0132, 8.4371, 36.9541

Triad

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



19.5287, 8.4371, 95.2070



15.1478, 8.4371, 0.0000



0.5566, 8.4371, 14.2528

Complementary

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



19.5287, 8.4371, 95.2070



68.8582, 88.5649, 14.2754

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.



0.8049, 8.4371, 0.5834



19.5287, 8.4371, 95.2070



6.5957, 8.4371, 0.0000

Square

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



19.5287, 8.4371, 95.2070



25.5824, 8.4371, 0.0000



2.2495, 8.4371, 0.0000



1.1798, 8.4371, 59.4455

Rectangle

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



19.5287, 8.4371, 95.2070



31.8505, 8.4371, 12.1339



2.2495, 8.4371, 0.0000



0.5453, 8.4371, 6.7599

Sweetspot

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



19.5294, 8.4371, 95.2069



57.7049, 53.7757, 101.9461



47.2030, 65.0019, 104.6665



11.5546, 10.5337, 21.6742



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.



19.5294, 8.4371, 95.2069



18.4867, 7.4451, 95.0704



33.2960, 15.5340, 95.8512



17.1776, 17.4678, 22.7162



9.7162, 3.9194, 49.6790



1.0010, 0.4099, 4.8396

Inverse Universe

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



55.9650, 27.6398, 77.9606



55.3248, 26.8939, 76.0994



43.0893, 75.2806, 13.0694



18.7068, 18.2660, 22.3391



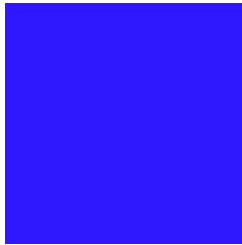
28.9413, 14.0658, 39.9368



2.8403, 1.3785, 4.0064

Previews

White Background



This preview shows how the XYZ color 19.5287, 8.4371, 95.2070 looks on a white background.

Color Contrast Check

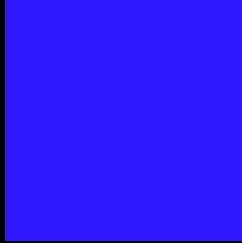
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5287, 8.4371, 95.2070 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 19.5287, 8.4371, 95.2070

Background



This preview shows how black text looks on a background with the XYZ color 19.5287, 8.4371, 95.2070.



This preview shows how white text looks on a background with the XYZ color 19.5287, 8.4371,

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

19.5287, 8.4371, 95.2070

Protanopia

9.5875, 8.3086, 36.6957

Deuteranopia

7.9039, 8.2341, 25.9837



Tritanopia

5.7217, 8.1386, 12.0958

Trichromacy



Original Color

19.5287, 8.4371, 95.2070

Protanomaly

11.9882, 7.3243, 54.2080

Deuteranomaly

10.3973, 6.9418, 45.0479

Tritanomaly

7.9292, 6.3155, 30.9381

Monochromacy



Original Color

19.5287, 8.4371, 95.2070

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.3690, 4.2186, 21.2475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5287, 8.4371, 95.2070 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(47, 23, 255)` looks like.

```
.text, #text, p{  
    color:rgb(47, 23, 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(47, 23, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 23, 255) }
```

Border

The CSS property to change the border of an element to XYZ 19.5287, 8.4371, 95.2070 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(47, 23, 255) }
```


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

```
.border{ border-color:rgb(47, 23, 255) }
```

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

Here you see how a box with a 4 pixel rgb(47, 23, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 23, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 23, 255);  
box-shadow:4px 4px 4px 4px rgb(47, 23,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5287, 8.4371, 95.2070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 23, 255) }
```

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

```
.background{ background-color: rgb(47, 23,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor