

Converting Colors

XYZ(19.8733, 8.6144, 95.2230)

Have a look what the booklet for
XYZ(19.8733, 8.6144, 95.2230)
contains.

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Color

**XYZ(19.8777, 8.6171,
95.2233)**

Conversions

Conversions Part 1

Format	Color
Hex	3617FF
RGB	54, 23, 255
RGB Percent	21%, 9%, 100%
CMY	0.7882, 0.9098, 0.0000
CMYK	0.79, 0.91, 0.00, 0.00
HSL	248°, 100%, 55%
HSV	248°, 91%, 100%
XYZ	19.8777, 8.6171, 95.2233
YIQ	58.7170, -55.9960, 78.7240

Conversions

Conversions Part 2

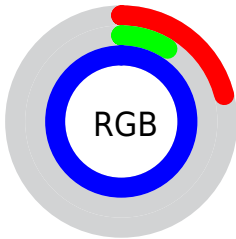
Format	Color
R _Y B	54, 23, 255
Decimal	3545087
CIE Lab	35.24, 75.94, -102.92
CIE LCh	35, 127.906, 306.422
Yxy	8.6171, 0.1607, 0.0697
Android (android.graphics.Color)	4281735167 (0xFF3617FF)
YUV	58.7170, 96.7675, -4.1368
Hunter-Lab	29.3549, 69.5004, -171.7803

Details

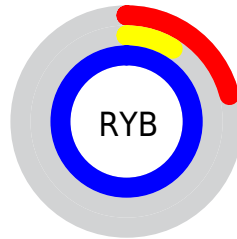
The XYZ color **19.8777, 8.6171, 95.2233** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **66.6465, 87.4247, 14.1721**, and the grayscale version is **3.9975, 4.2056, 4.5799**.

A 20% lighter version of the original color is **31.2966, 18.6408, 96.5563**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.7131, 7.5618, 95.0810**, and if you desaturate by 10%, it is **22.1160, 10.9150, 95.5489**.

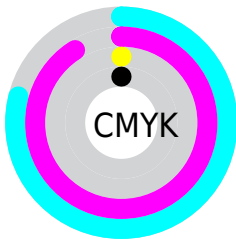
Distribution



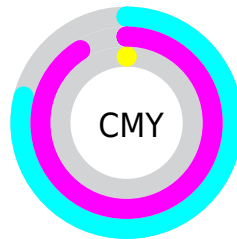
- Red (21%)
- Green (9%)
- Blue (100%)



- Red (21%)
- Yellow (9%)
- Blue (100%)



- Cyan (79%)
- Magenta (91%)
- Yellow (0%)
- Black (0%)



- Cyan (79%)
- Magenta (91%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.8777, 8.6171, 95.2233 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 19.8777, 8.6171, 95.2233 by changing the saturation by 10% instead.


 19.8777, 8.6171,
95.2233


 19.8777, 8.6171,
95.2233


244.0985,
180.4952, 565.8822


 12.4139, 4.4923,
71.7229


 42.7176, 23.1596,
156.5713


 7.1004, 1.9526,
52.4469


 58.8243, 34.3461,
195.2560

 3.5719, 0.5797,
36.9767


 78.5428, 48.6553,
239.8392

 1.4629, 0.0000,
24.8938

 102.2384, 66.4715,
290.7395

 0.3004, 0.0000,
15.7797

 130.2764, 88.1793,
348.3754

 0.0000, 0.0000,
9.2157

 163.0222,

 0.0000, 0.0000,

114.1629, 413.1655

4.7834

200.8411,
144.8067, 485.5282

0.0000, 0.0000,
2.0642

0.0000, 0.0000,
0.5944

19.8777, 8.6171,
95.2233

19.8777, 8.6171,
95.2233

18.7131, 7.5618,
95.0810

22.1160, 10.9150,
95.5489

25.5563, 14.7237,
96.1027

30.3438, 20.2502,
96.9171

36.6022, 27.6686,
98.0192

■ 44.4408, 37.1314,
99.4325

■ 53.9582, 48.7753,
101.1784

■ 65.2452, 62.7254,
103.2762

■ 78.3858, 79.0972,
105.7437

■ 93.4586, 97.9984,
108.5975

Harmonies

Analogous

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



9.8873, 8.6171, 136.1007



19.8777, 8.6171, 95.2233



29.3809, 8.6171, 36.9486

Triad

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



19.8777, 8.6171, 95.2233



15.3030, 8.6171, 0.0000



0.6049, 8.6171, 14.7191

Complementary

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



19.8777, 8.6171, 95.2233



66.6465, 87.4247, 14.1721

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.



0.8459, 8.6171, 0.6705



19.8777, 8.6171, 95.2233



6.6995, 8.6171, 0.0000

Square

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



19.8777, 8.6171, 95.2233



25.8066, 8.6171, 0.0000



2.3136, 8.6171, 0.0000



1.2469, 8.6171, 60.3425

Rectangle

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



19.8777, 8.6171, 95.2233



32.1846, 8.6171, 12.1627



2.3136, 8.6171, 0.0000



0.5914, 8.6171, 7.0620

Sweetspot

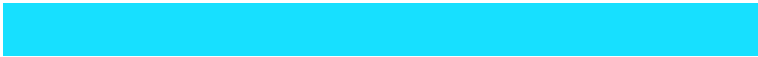
The Sweet Spot groups the original color and five complimentary colors.



19.8784, 8.6171, 95.2233



58.2387, 54.0508, 101.9711



45.0763, 60.7484, 103.9576



11.6767, 10.5967, 21.6799



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.



19.8784, 8.6171, 95.2233



18.7131, 7.5618, 95.0810



34.9185, 16.3706, 95.9272



17.2288, 17.4942, 22.7186



9.8468, 3.9867, 49.6851



1.0250, 0.4223, 4.8408

Inverse Universe

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



54.9970, 27.2527, 72.8631



54.2776, 26.4750, 70.5849



42.1062, 74.7737, 13.0236



18.6820, 18.2561, 22.2085



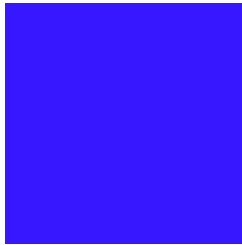
28.4018, 13.8500, 37.0960



2.7931, 1.3596, 3.7579

Previews

White Background



This preview shows how the XYZ color 19.8777, 8.6171, 95.2233 looks on a white background.

Color Contrast Check

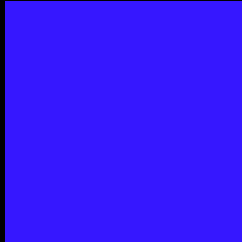
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8777, 8.6171, 95.2233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

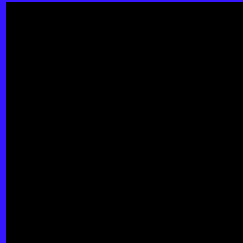
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.8777, 8.6171, 95.2233

Background



This preview shows how black text looks on a background with the XYZ color 19.8777, 8.6171, 95.2233.



This preview shows how white text looks on a background with the XYZ color 19.8777, 8.6171,

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

19.8777, 8.6171, 95.2233

Protanopia

9.7710, 8.3820, 37.6621

Deuteranopia

8.0562, 8.4201, 26.3999



Tritanopia

5.8524, 8.3267, 12.3651

Trichromacy



Original Color

19.8777, 8.6171, 95.2233

Protanomaly

12.1613, 7.4002, 54.8202

Deuteranomaly

10.4546, 6.9714, 45.0506

Tritanomaly

8.0694, 6.3782, 31.3777

Monochromacy



Original Color

19.8777, 8.6171, 95.2233

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.6936, 4.4356, 21.6224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8777, 8.6171, 95.2233 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(54, 23, 255)` looks like.

```
.text, #text, p{  
    color:rgb(54, 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(54, 23, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 23, 255) }
```

Border

The CSS property to change the border of an element to XYZ 19.8777, 8.6171, 95.2233 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(54, 23, 255) }
```


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

```
.border{ border-color:rgb(54, 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(54, 23, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 23, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 23, 255);  
box-shadow:4px 4px 4px 4px rgb(54, 23,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8777, 8.6171, 95.2233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 23, 255) }
```

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

```
.background{ background-color: rgb(54, 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](#).

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