

Converting Colors

XYZ(19.6985, 8.2156, 88.5437)

Have a look what the booklet for
XYZ(19.6985, 8.2156, 88.5437)
contains.

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Color

**XYZ(19.6902, 8.2113,
88.5428)**

Conversions

Conversions Part 1

Format	Color
Hex	4B00F7
RGB	75, 0, 247
RGB Percent	29%, 0%, 97%
CMY	0.7058, 1.0000, 0.0314
CMYK	0.70, 1.00, 0.00, 0.03
HSL	258°, 100%, 48%
HSV	258°, 100%, 97%
XYZ	19.6902, 8.2113, 88.5428
YIQ	50.5830, -34.5870, 92.7170

Conversions

Conversions Part 2

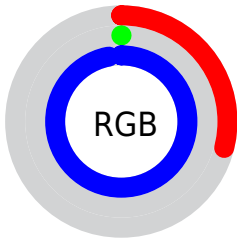
Format	Color
R_{YB}	75, 0, 247
Decimal	4915447
CIE _{Lab}	34.42, 78.53, -99.75
CIE _{LCh}	34, 126.951, 308.212
Yxy	8.2113, 0.1691, 0.0705
Android (android.graphics.Color)	4283105527 (0xFF4B00F7)
YUV	50.5830, 96.8336, 21.4137
Hunter-Lab	28.6554, 72.5073, -163.1426

Details

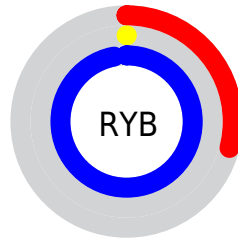
The XYZ color **19.6902, 8.2113, 88.5428** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated blue. A complement of this color would be **50.2717, 75.2911, 11.8830**, and the grayscale version is **2.9947, 3.1507, 3.4311**.

A 20% lighter version of the original color is **32.7788, 18.5481, 96.4602**, and **9.1853, 3.6741, 48.3692** is the 20% darker color. If you saturate the color by 10%, you get **19.6911, 8.2117, 88.5432**, and if you desaturate by 10%, it is **21.5645, 9.6841, 88.7286**.

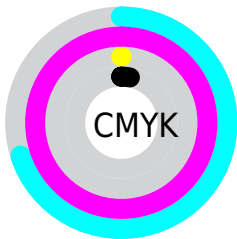
Distribution



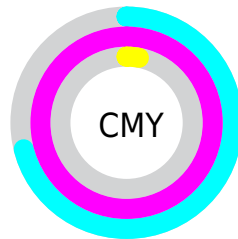
- Red (29%)
- Green (0%)
- Blue (97%)



- Red (29%)
- Yellow (0%)
- Blue (97%)



- Cyan (70%)
- Magenta (100%)
- Yellow (0%)
- Black (3%)



- Cyan (71%)
- Magenta (100%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6902, 8.2113, 88.5428 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 19.6902, 8.2113, 88.5428 by changing the saturation by 10% instead.

■ 19.6902, 8.2113,
88.5428

■ 19.6902, 8.2113,
88.5428

243.0987,
177.3801, 543.7265

■ 12.2770, 4.2305,
66.2058

■ 42.4051, 22.3716,
147.2304

■ 7.0062, 1.8033,
47.9820

■ 58.4375, 33.3199,
184.4181

■ 3.5123, 0.4892,
33.4527

■ 78.0737, 47.3595,
227.3930

■ 1.4301, 0.0000,
22.1995

■ 101.6790, 64.8747,
276.5739

■ 0.2775, 0.0000,
13.8039

■ 129.6188, 86.2500,
332.3791

■ 0.0000, 0.0000,
7.8472

■ 162.2584,


■ 0.0000, 0.0000,


111.8697, 395.2272

3.9110


 199.9633,
142.1183, 465.5368

 0.0000, 0.0000,
1.5766


 0.0000, 0.0000,
0.2741


 19.6902, 8.2113,
88.5428


 19.6902, 8.2113,
88.5428

 19.6911, 8.2117,
88.5432

 21.5645, 9.6841,
88.7286

 24.2608, 12.2229,
89.0765

 27.9382, 16.1084,
89.6327

 32.6994, 21.5132,
90.4250

■ 38.6329, 28.5834,
91.4769

■ 45.8170, 37.4473,
92.8092

■ 54.3231, 48.2203,
94.4403

■ 64.2168, 61.0079,
96.3871

■ 75.5591, 75.9078,
98.6652

Harmonies

Analogous

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



9.9257, 8.2113, 130.7461



19.6902, 8.2113, 88.5428



28.6392, 8.2113, 32.7852

Triad

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



19.6902, 8.2113, 88.5428



14.0616, 8.2113, 0.0000



0.5544, 8.2113, 15.7837

Complementary

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



19.6902, 8.2113, 88.5428



50.2717, 75.2911, 11.8830

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.



0.7440, 8.2113, 0.8545



19.6902, 8.2113, 88.5428



6.0095, 8.2113, 0.0000

Square

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



19.6902, 8.2113, 88.5428



24.2385, 8.2113, 0.0000



2.0331, 8.2113, 0.0000



1.2359, 8.2113, 61.6493

Rectangle

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



19.6902, 8.2113, 88.5428



31.0105, 8.2113, 10.2196



2.0331, 8.2113, 0.0000



0.5241, 8.2113, 7.7732

Sweetspot

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



19.6911, 8.2117, 88.5432



58.3548, 51.7794, 101.5265



31.7130, 36.5643, 93.3821



11.6262, 9.9817, 21.5638



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.



19.6911, 8.2117, 88.5432



21.1463, 8.8162, 95.1949



39.9720, 18.6669, 89.4923



16.0544, 16.1707, 20.8177



10.5397, 4.4077, 46.8333



1.0263, 0.4389, 4.1209

Inverse Universe

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



45.8032, 22.7523, 41.0016



49.2317, 24.4567, 44.0135



34.5469, 67.1847, 11.1471



16.9868, 16.6776, 19.6769



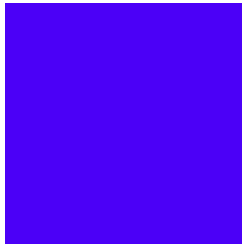
24.2898, 12.0594, 22.0324



2.1804, 1.0781, 2.1763

Previews

White Background



This preview shows how the XYZ color 19.6902, 8.2113, 88.5428 looks on a white background.

Color Contrast Check

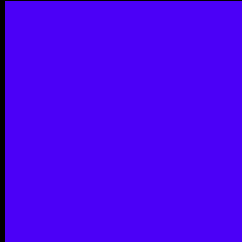
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6902, 8.2113, 88.5428 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 19.6902, 8.2113, 88.5428

Background



This preview shows how black text looks on a background with the XYZ color 19.6902, 8.2113, 88.5428.



This preview shows how white text looks on a background with the XYZ color 19.6902, 8.2113,

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

19.6902, 8.2113, 88.5428

Protanopia

9.6789, 8.3451, 37.1770

Deuteranopia

7.9780, 8.2637, 26.3739



Tritanopia

5.8524, 8.3267, 12.3651

Trichromacy



Original Color

19.6902, 8.2113, 88.5428

Protanomaly

11.4429, 6.4543, 52.2725

Deuteranomaly

9.9633, 6.0745, 43.8274

Tritanomaly

7.5510, 5.4935, 29.9405

Monochromacy



Original Color

19.6902, 8.2113, 88.5428

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

5.8928, 3.3988, 18.7578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6902, 8.2113, 88.5428 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(75, 0, 247)` looks like.

```
.text, #text, p{  
    color:rgb(75, 0, 247)  
}
```

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(75, 0, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 0, 247) }
```

Border

The CSS property to change the border of an element to XYZ 19.6902, 8.2113, 88.5428 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(75, 0, 247) }
```


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

```
.border{ border-color:rgb(75, 0, 247) }
```

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

Here you see how a box with a 4 pixel rgb(75, 0, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 0, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 0, 247);  
box-shadow:4px 4px 4px 4px rgb(75, 0, 247)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.6902, 8.2113, 88.5428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 0, 247) }
```

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

```
.background{ background-color: rgb(75, 0,  
247) }
```

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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