

Converting Colors

XYZ(41.9386, 19.5669, 96.1741)

Have a look what the booklet for
XYZ(41.9386, 19.5669, 96.1741)
contains.

XYZ(41.8911, 19.5428, 96.1720)	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(41.8911, 19.5428,
96.1720)**

Conversions

Conversions Part 1

Format	Color
Hex	C802FF
RGB	200, 2, 255
RGB Percent	78%, 1%, 100%
CMY	0.2157, 0.9921, 0.0000
CMYK	0.22, 0.99, 0.00, 0.00
HSL	287°, 100%, 50%
HSV	287°, 99%, 100%
XYZ	41.8911, 19.5428, 96.1720
YIQ	90.0440, 36.7950, 120.6590

Conversions

Conversions Part 2

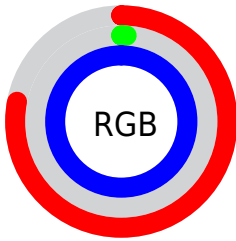
Format	Color
R _Y B	200, 2, 255
Decimal	13107967
CIE Lab	51.32, 90.35, -75.83
CIE LCh	51, 117.957, 319.994
Yxy	19.5428, 0.2658, 0.1240
Android (android.graphics.Color)	4291298047 (0xFFC802FF)
YUV	90.0440, 81.3233, 96.4314
Hunter-Lab	44.2072, 91.7852, -98.0392

Details

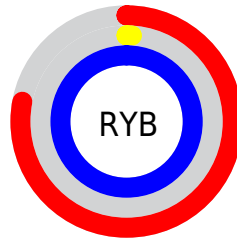
The XYZ color **41.8911, 19.5428, 96.1720** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **37.4592, 72.3947, 12.0572**, and the grayscale version is **9.5488, 10.0461, 10.9402**.

A 20% lighter version of the original color is **63.4729, 36.8457, 98.3743**, and **20.7255, 9.5202, 53.5685** is the 20% darker color. If you saturate the color by 10%, you get **41.7531, 19.4394, 96.1593**, and if you desaturate by 10%, it is **43.7817, 21.0848, 96.3700**.

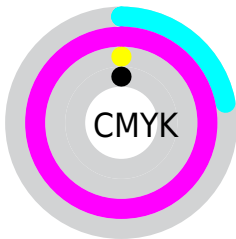
Distribution



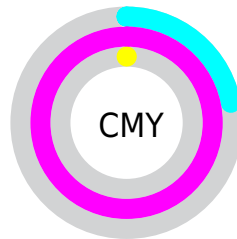
- Red (78%)
- Green (1%)
- Blue (100%)



- Red (78%)
- Yellow (1%)
- Blue (100%)



- Cyan (22%)
- Magenta (99%)
- Yellow (0%)
- Black (0%)





- Cyan (22%)
- Magenta (99%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8911, 19.5428, 96.1720 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 41.8911, 19.5428, 96.1720 by changing the saturation by 10% instead.

 41.8911, 19.5428,
96.1720


 41.8911, 19.5428,
96.1720


345.0306,
249.4292, 568.9901

 29.2068, 12.0631,
72.5086


 77.3010, 42.6493,
157.8923


 19.3824, 6.7867,
53.0848


 100.7572, 59.0450,
196.7861


 12.0525, 3.3291,
37.4823


 128.5348, 79.1814,
241.5939

 6.8519, 1.3058,
25.2824

 160.9992,
103.4430, 292.7341

 3.4152, 0.1457,
16.0667

 198.5155,
132.2142, 350.6253

 1.3769, 0.0000,
9.4165

 241.4493,

 0.2397, 0.0000,

165.8794, 415.6860

4.9133

290.1659,
204.8229, 488.3348

■ 0.0000, 0.0000,
2.1386

■ 0.0000, 0.0000,
0.6386

■ 41.8911, 19.5428,
96.1720

■ 41.8911, 19.5428,
96.1720

■ 41.7531, 19.4394,
96.1593

■ 43.7817, 21.0848,
96.3700

■ 46.2136, 23.6300,
96.7331

■ 49.3177, 27.4382,
97.3045

■ 53.1805, 32.6817,
98.1130

■ 57.8749, 39.5055,
99.1827

■ 63.4648, 48.0366,
100.5348

■ 70.0077, 58.3891,
102.1882

■ 77.5558, 70.6670,
104.1602

■ 86.1577, 84.9665,
106.4669

Harmonies

Analogous

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



27.4471, 19.5428, 159.0121



41.8911, 19.5428, 96.1720



51.0070, 19.5428, 34.6592

Triad

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



41.8911, 19.5428, 96.1720



22.7955, 19.5428, 0.0000



4.3837, 19.5428, 52.0637

Complementary

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



41.8911, 19.5428, 96.1720



37.4592, 72.3947, 12.0572

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.



4.0053, 19.5428, 11.8795



41.8911, 19.5428, 96.1720



11.8559, 19.5428, 0.0000

Square

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



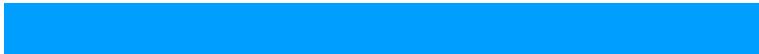
41.8911, 19.5428, 96.1720



37.2757, 19.5428, 0.0000



6.0652, 19.5428, 0.8841



7.4860, 19.5428, 119.6994

Rectangle

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



41.8911, 19.5428, 96.1720



51.0086, 19.5428, 11.8886



6.0652, 19.5428, 0.8841



4.0050, 19.5428, 34.6407

Sweetspot

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



41.8920, 19.5435, 96.1721



69.4541, 57.5012, 102.0460



19.7465, 10.5755, 95.6083



14.2571, 11.3379, 21.6870



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.



41.8920, 19.5435, 96.1721



41.7531, 19.4394, 96.1593



50.2893, 24.9147, 49.4747



18.3835, 18.0894, 22.7726



21.9491, 10.2257, 50.2515



2.2283, 1.0427, 4.8971

Inverse Universe

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



42.0008, 21.5994, 5.8282



41.9401, 21.5400, 5.6166



36.8744, 71.9687, 17.6564



18.1710, 18.0517, 19.5175



21.9592, 11.2730, 3.1695



2.1764, 1.1130, 0.5106

Previews

White Background



This preview shows how the XYZ color 41.8911, 19.5428, 96.1720 looks on a white background.

Color Contrast Check

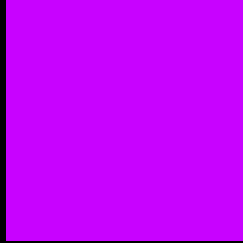
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 41.8911, 19.5428, 96.1720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

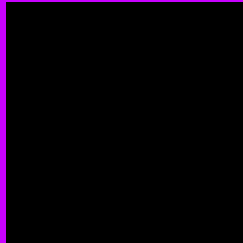
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.8911, 19.5428, 96.1720

Background



This preview shows how black text looks on a background with the XYZ color 41.8911, 19.5428, 96.1720.



This preview shows how white text looks on a background with the XYZ color 41.8911, 19.5428,

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

41.8911, 19.5428, 96.1720

Protanopia

24.0094, 20.1587, 93.8924

Deuteranopia

20.3791, 20.0890, 70.5136



Tritanopia

25.5711, 19.6409, 16.3532

Trichromacy



Original Color

41.8911, 19.5428, 96.1720



Protanomaly

22.9028, 13.6136, 93.5160



Deuteranomaly

20.3981, 13.1845, 78.5606



Tritanomaly

28.5161, 16.6791, 35.4346

Monochromacy



Original Color

41.8911, 19.5428, 96.1720



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

16.2240, 9.9739, 29.9242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8911, 19.5428, 96.1720 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(200, 2, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 2, 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(200, 2, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 2, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.8911, 19.5428, 96.1720 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(200, 2, 255) }
```


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

```
.border{ border-color:rgb(200, 2, 255) }
```

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

Here you see how a box with a 4 pixel rgb(200, 2, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 2, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 2, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 2,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8911, 19.5428, 96.1720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 2, 255) }
```

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

```
.background{ background-color: rgb(200, 2,  
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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