

Converting Colors

XYZ(21.8912, 9.2002, 95.2298)

Have a look what the booklet for
XYZ(21.8912, 9.2002, 95.2298)
contains.

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Color

**XYZ(21.8878, 9.1984,
95.2296)**

Conversions

Conversions Part 1

Format	Color
Hex	5600FF
RGB	86, 0, 255
RGB Percent	34%, 0%, 100%
CMY	0.6627, 1.0000, 0.0000
CMYK	0.66, 1.00, 0.00, 0.00
HSL	260°, 100%, 50%
HSV	260°, 100%, 100%
XYZ	21.8878, 9.1984, 95.2296
YIQ	54.7840, -30.5990, 97.5370

Conversions

Conversions Part 2

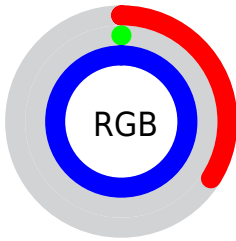
Format	Color
RYB	86, 0, 255
Decimal	5636351
CIELab	36.36, 80.77, -100.98
CIElCh	36, 129.309, 308.653
Yxy	9.1984, 0.1733, 0.0728
Android (android.graphics.Color)	4283826431 (0xFF5600FF)
YUV	54.7840, 98.7065, 27.3764
Hunter-Lab	30.3289, 75.7448, -164.9345

Details

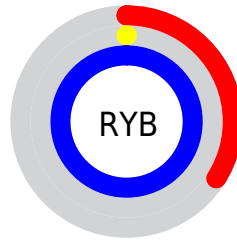
The XYZ color **21.8878, 9.1984, 95.2296** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated blue. A complement of this color would be **52.1198, 79.9538, 12.6856**, and the grayscale version is **3.4882, 3.6699, 3.9965**.

A 20% lighter version of the original color is **34.6085, 19.6959, 96.5854**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **21.8888, 9.1990, 95.2297**, and if you desaturate by 10%, it is **23.9916, 10.8151, 95.4308**.

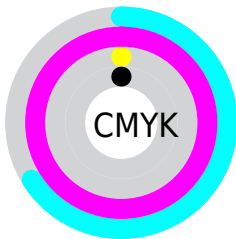
Distribution



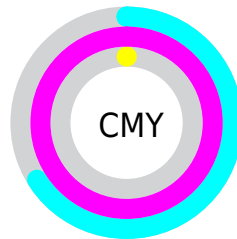
- Red (34%)
- Green (0%)
- Blue (100%)



- Red (34%)
- Yellow (0%)
- Blue (100%)



- Cyan (66%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)



- Cyan (66%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8878, 9.1984, 95.2296 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 21.8878, 9.1984, 95.2296 by changing the saturation by 10% instead.

■ 21.8878, 9.1984,
95.2296

■ 21.8878, 9.1984,
95.2296

254.6032,
184.8511, 565.9029

■ 13.8906, 4.8708,
71.7281

■ 46.0407, 24.2764,
156.5801

■ 8.1258, 2.1717,
52.4512

■ 62.9272, 35.7957,
195.2662

■ 4.2280, 0.7045,
36.9801

■ 83.5074, 50.4809,
239.8509

■ 1.8319, 0.0000,
24.8964

■ 108.1468, 68.7166,
290.7528

■ 0.5368, 0.0000,
15.7816

■ 137.2108, 90.8870,
348.3904

■ 0.0000, 0.0000,
9.2170

■ 171.0646,

■ 0.0000, 0.0000,

117.3767, 413.1822

4.7843

210.0736,
148.5699, 485.5469

0.0000, 0.0000,
2.0647

0.0000, 0.0000,
0.5947

21.8878, 9.1984,
95.2296

21.8878, 9.1984,
95.2296

21.8888, 9.1990,
95.2297

23.9916, 10.8151,
95.4308

26.9531, 13.5671,
95.8059

30.9377, 17.7517,
96.4036

36.0530, 23.5542,
97.2540

■ 42.3912, 31.1307,
98.3823

■ 50.0338, 40.6183,
99.8108

■ 59.0551, 52.1404,
101.5593

■ 69.5233, 65.8096,
103.6460

■ 81.5017, 81.7304,
106.0877

Harmonies

Analogous

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



11.2041, 9.1984, 141.2377



21.8878, 9.1984, 95.2296



31.5351, 9.1984, 35.2671

Triad

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



21.8878, 9.1984, 95.2296



15.4326, 9.1984, 0.0000



0.7056, 9.1984, 17.9860

Complementary

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



21.8878, 9.1984, 95.2296



52.1198, 79.9538, 12.6856

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.



0.8870, 9.1984, 1.0982



21.8878, 9.1984, 95.2296



6.6712, 9.1984, 0.0000

Square

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



21.8878, 9.1984, 95.2296



26.5109, 9.1984, 0.0000



2.3151, 9.1984, 0.0000



1.4752, 9.1984, 68.1138

Rectangle

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



21.8878, 9.1984, 95.2296



34.0121, 9.1984, 11.0612



2.3151, 9.1984, 0.0000



0.6705, 9.1984, 9.0378

Sweetspot

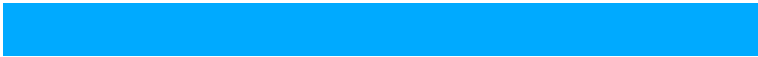
The Sweet Spot groups the original color and five complimentary colors.



21.8888, 9.1990, 95.2297



59.0551, 52.1404, 101.5593



32.4247, 35.9695, 99.8416



11.7892, 10.0657, 21.5715



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.



21.8888, 9.1990, 95.2297



45.3458, 21.2915, 96.3274



17.5804, 17.6754, 22.7351



11.5791, 4.8797, 49.7662



1.2383, 0.5323, 4.8507

Inverse Universe

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



48.4004, 24.1242, 39.6362



36.7354, 72.0228, 11.9656



18.5170, 18.1901, 21.3395



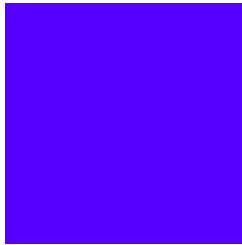
25.3627, 12.6344, 21.0925



2.5205, 1.2506, 2.3223

Previews

White Background



This preview shows how the XYZ color 21.8878, 9.1984, 95.2296 looks on a white background.

Color Contrast Check

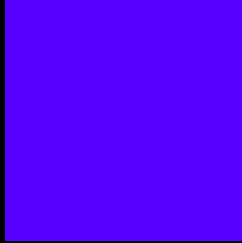
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8878, 9.1984, 95.2296 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 21.8878, 9.1984, 95.2296

Background



This preview shows how black text looks on a background with the XYZ color 21.8878, 9.1984, 95.2296.



This preview shows how white text looks on a background with the XYZ color 21.8878, 9.1984,

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

21.8878, 9.1984, 95.2296

Protanopia

10.8311, 9.2817, 41.7781

Deuteranopia

8.9972, 9.3147, 29.7575



Tritanopia

6.5811, 9.3251, 14.0234

Trichromacy



Original Color

21.8878, 9.1984, 95.2296

Protanomaly

12.7373, 7.1971, 57.8446

Deuteranomaly

11.1053, 6.8484, 48.3135

Tritanomaly

8.4054, 6.0974, 33.0817

Monochromacy



Original Color

21.8878, 9.1984, 95.2296

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

6.7441, 3.9188, 20.8230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8878, 9.1984, 95.2296 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(86, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(86, 0, 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(86, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 21.8878, 9.1984, 95.2296 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(86, 0, 255) }
```

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

```
.border{ border-color:rgb(86, 0, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 0, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(86, 0, 255)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.8878, 9.1984, 95.2296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 0, 255) }
```

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

```
.background{ background-color: rgb(86, 0,  
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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