

Converting Colors

XYZ(21.5669, 9.2549, 88.1306)

Have a look what the booklet for
XYZ(21.5669, 9.2549, 88.1306)
contains.

XYZ(21.5018, 9.2275, 87.8366)	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(21.5018, 9.2275,
87.8366)**

Conversions

Conversions Part 1

Format	Color
Hex	6004F6
RGB	96, 4, 246
RGB Percent	38%, 2%, 96%
CMY	0.6235, 0.9844, 0.0353
CMYK	0.61, 0.98, 0.00, 0.04
HSL	263°, 97%, 49%
HSV	263°, 98%, 96%
XYZ	21.5018, 9.2275, 87.8366
YIQ	59.0960, -22.8500, 94.7660

Conversions

Conversions Part 2

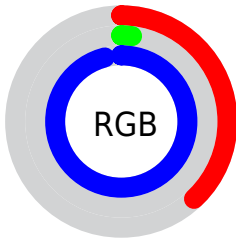
Format	Color
R _Y B	96, 4, 246
Decimal	6292726
CIE Lab	36.42, 78.72, -95.80
CIE LCh	36, 123.995, 309.408
Yxy	9.2275, 0.1813, 0.0778
Android (android.graphics.Color)	4284482806 (0xFF6004F6)
YUV	59.0960, 92.1437, 32.3648
Hunter-Lab	30.3768, 73.1894, -150.1773

Details

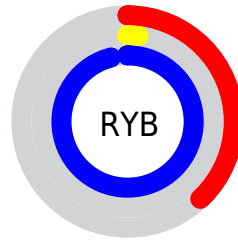
The XYZ color **21.5018, 9.2275, 87.8366** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **46.3007, 72.7888, 11.7239**, and the grayscale version is **4.0506, 4.2616, 4.6409**.

A 20% lighter version of the original color is **35.8786, 20.4553, 96.6650**, and **9.0771, 3.6308, 47.7994** is the 20% darker color. If you saturate the color by 10%, you get **21.2032, 9.0090, 87.8105**, and if you desaturate by 10%, it is **23.6515, 10.9085, 88.0481**.

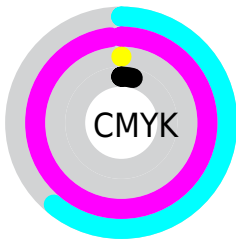
Distribution



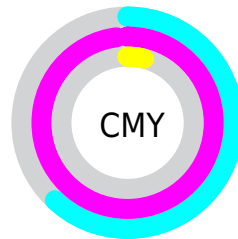
- Red (38%)
- Green (2%)
- Blue (96%)



- Red (38%)
- Yellow (2%)
- Blue (96%)



- Cyan (61%)
- Magenta (98%)
- Yellow (0%)
- Black (4%)





- Cyan (62%)
- Magenta (98%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.5018, 9.2275, 87.8366 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 21.5018, 9.2275, 87.8366 by changing the saturation by 10% instead.


 21.5018, 9.2275,
87.8366


 21.5018, 9.2275,
87.8366


252.6149,
185.0661, 541.3554


 13.6058, 4.8899,
65.6242


 45.4062, 24.3320,
146.2388


 7.9269, 2.1828,
47.5128


 62.1453, 35.8676,
183.2656

 4.0996, 0.7106,
33.0840


 82.5629, 50.5714,
226.0677

 1.7586, 0.0000,
21.9192

 107.0243, 68.8277,
275.0636

 0.4926, 0.0000,
13.5998

 135.8949, 91.0210,
330.6717

 0.0000, 0.0000,
7.7073

 169.5399,

 0.0000, 0.0000,

117.5355, 393.3107

3.8231

208.3248,
148.7557, 463.3991

0.0000, 0.0000,
1.5288

0.0000, 0.0000,
0.2393

21.5018, 9.2275,
87.8366

21.5018, 9.2275,
87.8366

21.2032, 9.0090,
87.8105

23.6515, 10.9085,
88.0481

26.5945, 13.6910,
88.4301

30.4560, 17.8011,
89.0198

35.3276, 23.4006,
89.8439

■ 41.2885, 30.6276,
90.9247

■ 48.4090, 39.6034,
92.2819

■ 56.7530, 50.4377,
93.9334

■ 66.3794, 63.2311,
95.8954

■ 77.3432, 78.0766,
98.1830

Harmonies

Analogous

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



11.3490, 9.2275, 130.9783



21.5018, 9.2275, 87.8366



30.4205, 9.2275, 32.7384

Triad

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



21.5018, 9.2275, 87.8366



14.8922, 9.2275, 0.0000



0.8459, 9.2275, 18.4367

Complementary

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



21.5018, 9.2275, 87.8366



46.3007, 72.7888, 11.7239

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.



1.0085, 9.2275, 1.3922



21.5018, 9.2275, 87.8366



6.6155, 9.2275, 0.0000

Square

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



21.5018, 9.2275, 87.8366



25.3262, 9.2275, 0.0000



2.4265, 9.2275, 0.0000



1.6759, 9.2275, 65.8049

Rectangle

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



21.5018, 9.2275, 87.8366



32.5819, 9.2275, 10.4803



2.4265, 9.2275, 0.0000



0.8053, 9.2275, 9.6262

Sweetspot

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



21.5025, 9.2276, 87.8369



59.9665, 52.6102, 101.6020



28.7860, 30.8826, 91.6328



12.0020, 10.1754, 21.5814



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.



21.5025, 9.2276, 87.8369



22.9752, 9.7590, 95.2805



44.3314, 20.9963, 88.9053



16.1767, 16.2337, 20.8234



11.4612, 4.8828, 46.8764



1.1179, 0.4861, 4.1252

Inverse Universe

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



43.8807, 22.0120, 32.5000



47.4153, 23.7301, 34.4485



33.7143, 66.3002, 11.1348



16.9310, 16.6552, 19.3830



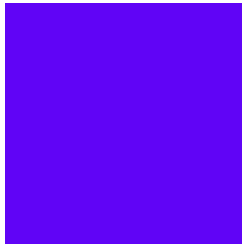
23.4021, 11.7043, 17.3577



2.1068, 1.0487, 1.7886

Previews

White Background



This preview shows how the XYZ color 21.5018, 9.2275, 87.8366 looks on a white background.

Color Contrast Check

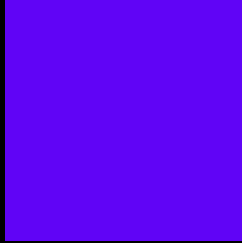
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5018, 9.2275, 87.8366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

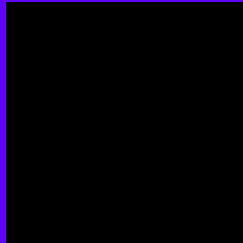
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.5018, 9.2275, 87.8366

Background



This preview shows how black text looks on a background with the XYZ color 21.5018, 9.2275, 87.8366.



This preview shows how white text looks on a background with the XYZ color 21.5018, 9.2275,

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

21.5018, 9.2275, 87.8366

Protanopia

10.9082, 9.4358, 41.8038

Deuteranopia

8.9972, 9.3147, 29.7575



Tritanopia

6.8281, 9.4466, 14.2955

Trichromacy



Original Color

21.5018, 9.2275, 87.8366

Protanomaly

12.6019, 7.3067, 56.0045

Deuteranomaly

10.8579, 6.8441, 46.0962

Tritanomaly

8.7326, 6.4570, 31.7964

Monochromacy



Original Color

21.5018, 9.2275, 87.8366

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

7.2288, 4.3611, 20.5394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5018, 9.2275, 87.8366 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(96, 4, 246)` looks like.

```
.text, #text, p{  
    color:rgb(96, 4, 246)  
}
```

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(96, 4, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 4, 246) }
```

Border

The CSS property to change the border of an element to XYZ 21.5018, 9.2275, 87.8366 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(96, 4, 246) }
```


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

```
.border{ border-color:rgb(96, 4, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 4, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 4, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 4, 246);  
box-shadow:4px 4px 4px 4px rgb(96, 4, 246)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.5018, 9.2275, 87.8366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 4, 246) }
```

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

```
.background{ background-color: rgb(96, 4,  
246) }
```

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