

Converting Colors

XYZ(21.9691, 9.4251, 86.8875)

Have a look what the booklet for
XYZ(21.9691, 9.4251, 86.8875)
contains.

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Color

**XYZ(21.9609, 9.4174,
87.0465)**

Conversions

Conversions Part 1

Format	Color
Hex	6600F5
RGB	102, 0, 245
RGB Percent	40%, 0%, 96%
CMY	0.6000, 1.0000, 0.0392
CMYK	0.58, 1.00, 0.00, 0.04
HSL	265°, 100%, 48%
HSV	265°, 100%, 96%
XYZ	21.9609, 9.4174, 87.0465
YIQ	58.4280, -17.8530, 97.8190

Conversions

Conversions Part 2

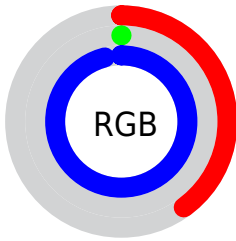
Format	Color
R_{YB}	102, 0, 245
Decimal	6684917
CIE _{Lab}	36.78, 79.33, -94.63
CIE _{LCh}	37, 123.482, 309.975
Yxy	9.4174, 0.1854, 0.0795
Android (android.graphics.Color)	4284874997 (0xFF6600F5)
YUV	58.4280, 91.9800, 38.2126
Hunter-Lab	30.6878, 74.0352, -146.6958

Details

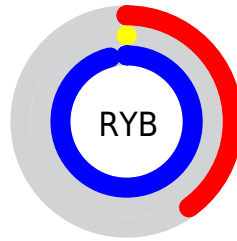
The XYZ color **21.9609, 9.4174, 87.0465** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **43.9791, 71.1441, 11.4143**, and the grayscale version is **3.9619, 4.1683, 4.5392**.

A 20% lighter version of the original color is **36.9228, 20.9936, 96.7139**, and **8.9696, 3.5879, 47.2335** is the 20% darker color. If you saturate the color by 10%, you get **21.9617, 9.4178, 87.0468**, and if you desaturate by 10%, it is **24.0618, 11.0007, 87.2417**.

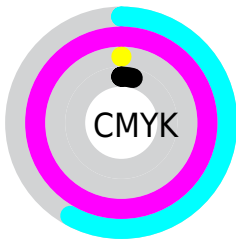
Distribution



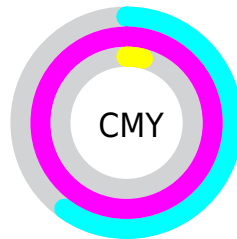
- Red (40%)
- Green (0%)
- Blue (96%)



- Red (40%)
- Yellow (0%)
- Blue (96%)



- Cyan (58%)
- Magenta (100%)
- Yellow (0%)
- Black (4%)





- Cyan (60%)
- Magenta (100%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9609, 9.4174, 87.0465 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 21.9609, 9.4174, 87.0465 by changing the saturation by 10% instead.


 21.9609, 9.4174,
87.0465

 21.9609, 9.4174,
87.0465


254.9782,
186.4619, 538.6958


 13.9446, 5.0144,
64.9738


 46.1607, 24.6938,
145.1284

 8.1636, 2.2557,
46.9887


 63.0749, 36.3359,
181.9747


 4.2525, 0.7501,
32.6724


 83.6858, 51.1600,
224.5827

 1.8459, 0.0000,
21.6065

 108.3588, 69.5503,
273.3708

 0.5451, 0.0000,
13.3725

 137.4592, 91.8912,
328.7576

 0.0000, 0.0000,
7.5518

 171.3523,

 0.0000, 0.0000,

118.5672, 391.1617

3.7259

210.4035,
149.9626, 461.0016

0.0000, 0.0000,
1.4762

0.0000, 0.0000,
0.2001

21.9609, 9.4174,
87.0465

21.9609, 9.4174,
87.0465

21.9617, 9.4178,
87.0468

24.0618, 11.0007,
87.2417

26.8789, 13.5831,
87.5917

30.5573, 17.4348,
88.1412

35.1878, 22.7198,
88.9173

■ 40.8478, 29.5766,
89.9425

■ 47.6058, 38.1265,
91.2366

■ 55.5239, 48.4786,
92.8174

■ 64.6592, 60.7328,
94.7012

■ 75.0648, 74.9813,
96.9030

Harmonies

Analogous

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



11.7206, 9.4174, 130.8018



21.9609, 9.4174, 87.0465



30.8180, 9.4174, 32.2212

Triad

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



21.9609, 9.4174, 87.0465



14.9277, 9.4174, 0.0000



0.9022, 9.4174, 19.3176

Complementary

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



21.9609, 9.4174, 87.0465



43.9791, 71.1441, 11.4143

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.



1.0530, 9.4174, 1.5728



21.9609, 9.4174, 87.0465



6.6561, 9.4174, 0.0000

Square

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



21.9609, 9.4174, 87.0465



25.4122, 9.4174, 0.0000



2.4725, 9.4174, 0.0000



1.7830, 9.4174, 67.2507

Rectangle

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



21.9609, 9.4174, 87.0465



32.8714, 9.4174, 10.2724



2.4725, 9.4174, 0.0000



0.8553, 9.4174, 10.2355

Sweetspot

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



21.9617, 9.4178, 87.0468



60.7485, 53.0134, 101.6386



26.9153, 27.4601, 90.2683



12.1851, 10.2698, 21.5900



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.



21.9617, 9.4178, 87.0468



24.0141, 10.2946, 95.3291



46.1484, 21.8864, 88.1788



16.2349, 16.2637, 20.8261



11.9803, 5.1504, 46.9007



1.1671, 0.5115, 4.1275

Inverse Universe

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



42.6138, 21.3955, 27.8679



46.6512, 23.4245, 30.4252



33.0412, 65.5054, 10.9024



16.9048, 16.6448, 19.2452



23.0274, 11.5544, 15.3848



2.0750, 1.0360, 1.6215

Previews

White Background



This preview shows how the XYZ color 21.9609, 9.4174, 87.0465 looks on a white background.

Color Contrast Check

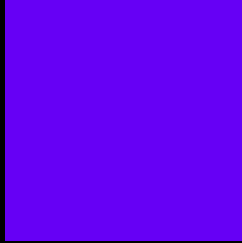
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9609, 9.4174, 87.0465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

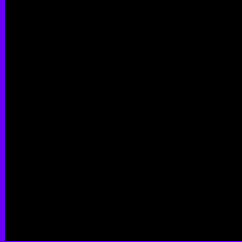
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.9609, 9.4174, 87.0465

Background



This preview shows how black text looks on a background with the XYZ color 21.9609, 9.4174, 87.0465.



This preview shows how white text looks on a background with the XYZ color 21.9609, 9.4174,

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

21.9609, 9.4174, 87.0465

Protanopia

11.2844, 9.7114, 43.3992

Tritanopia

7.4952, 9.6559, 14.3007

Trichromacy



Original Color

21.9609, 9.4174, 87.0465

Protanomaly

12.7428, 7.2959, 56.6137

Tritanomaly

9.6466, 6.6883, 31.7929

Monochromacy



Original Color

21.9609, 9.4174, 87.0465

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

7.2515, 4.2853, 20.1836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9609, 9.4174, 87.0465 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(102, 0, 245)` looks like.

```
.text, #text, p{  
    color:rgb(102, 0, 245)  
}
```

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(102, 0, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 0, 245) }
```

Border

The CSS property to change the border of an element to XYZ 21.9609, 9.4174, 87.0465 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(102, 0, 245) }
```

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

```
.border{ border-color:rgb(102, 0, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 0, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 0, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 0, 245);  
box-shadow:4px 4px 4px 4px rgb(102, 0,  
245) }
```


Background

The CSS property to change the background color of an element to XYZ 21.9609, 9.4174, 87.0465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 0, 245) }
```

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

```
.background{ background-color: rgb(102, 0,  
245) }
```

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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