

Converting Colors

XYZ(21.3277, 9.1390, 84.8413)

Have a look what the booklet for
XYZ(21.3277, 9.1390, 84.8413)
contains.

XYZ(21.2825, 9.1201, 84.6430)	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(21.2825, 9.1201,
84.6430)**

Conversions

Conversions Part 1

Format	Color
Hex	6400F2
RGB	100, 0, 242
RGB Percent	39%, 0%, 95%
CMY	0.6078, 1.0000, 0.0510
CMYK	0.59, 1.00, 0.00, 0.05
HSL	265°, 100%, 47%
HSV	265°, 100%, 95%
XYZ	21.2825, 9.1201, 84.6430
YIQ	57.4880, -18.0820, 96.4620

Conversions

Conversions Part 2

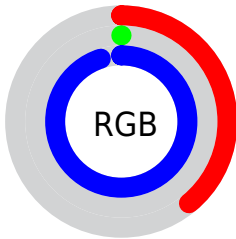
Format	Color
R_{YB}	100, 0, 242
Decimal	6553842
CIE _{Lab}	36.21, 78.56, -93.87
CIE _{LCh}	36, 122.406, 309.925
Yxy	9.1201, 0.1850, 0.0793
Android (android.graphics.Color)	4284743922 (0xFF6400F2)
YUV	57.4880, 90.9644, 37.2830
Hunter-Lab	30.1995, 72.9452, -145.0380

Details

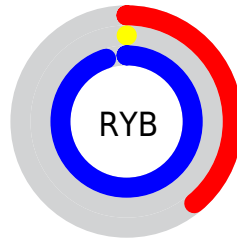
The XYZ color **21.2825, 9.1201, 84.6430** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **42.9064, 69.2546, 11.1061**, and the grayscale version is **3.8395, 4.0395, 4.3990**.

A 20% lighter version of the original color is **36.4298, 20.6347, 96.6706**, and **8.6517, 3.4607, 45.5594** is the 20% darker color. If you saturate the color by 10%, you get **21.2834, 9.1206, 84.6433**, and if you desaturate by 10%, it is **23.3241, 10.6636, 84.8336**.

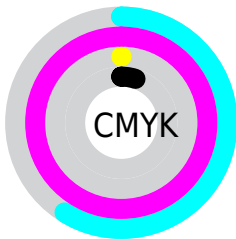
Distribution



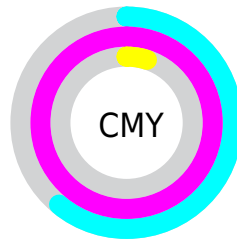
- Red (39%)
- Green (0%)
- Blue (95%)



- Red (39%)
- Yellow (0%)
- Blue (95%)



- Cyan (59%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)





- Cyan (61%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2825, 9.1201, 84.6430 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 21.2825, 9.1201, 84.6430 by changing the saturation by 10% instead.


 21.2825, 9.1201,
84.6430


 21.2825, 9.1201,
84.6430


251.4794,
184.2713, 530.5598

 13.4443, 4.8196,
62.9980


 45.0450, 24.1268,
141.7440


 7.8143, 2.1418,
45.3986


 61.6999, 35.6018,
178.0371

 4.0272, 0.6880,
31.4263


 82.0245, 50.2370,
220.0500

 1.7175, 0.0000,
20.6625

 106.3841, 68.4169,
268.2011

 0.4672, 0.0000,
12.6887

 135.1440, 90.5259,
322.9092


 0.0000, 0.0000,
7.0863


 168.6697,

 0.0000, 0.0000,


116.9484, 384.5926

3.4369


 207.3263,
148.0687, 453.6699


 0.0000, 0.0000,
1.3218


 0.0000, 0.0000,
0.0796


 21.2825, 9.1201,
84.6430


 21.2825, 9.1201,
84.6430

 21.2834, 9.1206,
84.6433

 23.3241, 10.6636,
84.8336

 26.0637, 13.1783,
85.1746

 29.6428, 16.9280,
85.7097

 34.1498, 22.0718,
86.4650

■ 39.6598, 28.7439,
87.4625

■ 46.2397, 37.0624,
88.7213

■ 53.9497, 47.1331,
90.2588

■ 62.8454, 59.0530,
92.0907

■ 72.9785, 72.9116,
94.2316

Harmonies

Analogous

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



11.3418, 9.1201, 127.1278



21.2825, 9.1201, 84.6430



29.8942, 9.1201, 31.3327

Triad

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



21.2825, 9.1201, 84.6430



14.4859, 9.1201, 0.0000



0.8674, 9.1201, 18.6757

Complementary

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



21.2825, 9.1201, 84.6430



42.9064, 69.2546, 11.1061

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.



1.0146, 9.1201, 1.5060



21.2825, 9.1201, 84.6430



6.4520, 9.1201, 0.0000

Square

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



21.2825, 9.1201, 84.6430



24.6678, 9.1201, 0.0000



2.3910, 9.1201, 0.0000



1.7169, 9.1201, 65.2098

Rectangle

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



21.2825, 9.1201, 84.6430



31.8988, 9.1201, 9.9834



2.3910, 9.1201, 0.0000



0.8225, 9.1201, 9.8772

Sweetspot

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



21.2834, 9.1206, 84.6433



60.6808, 52.9785, 101.6354



26.1831, 26.7229, 87.7827



12.1693, 10.2617, 21.5893



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.



21.2834, 9.1206, 84.6433



23.9203, 10.2463, 95.3247



44.8808, 21.2855, 85.7477



15.5160, 15.5477, 19.9048



11.5803, 4.9752, 45.4778



1.0738, 0.4708, 3.7885

Inverse Universe

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



41.5000, 20.8301, 27.4219



46.7145, 23.4498, 30.7585



32.1337, 63.7011, 10.6019



16.1619, 15.9145, 18.4086



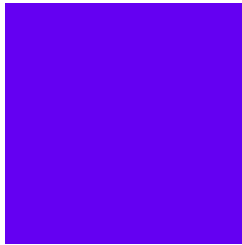
22.3637, 11.2179, 15.0979



1.9098, 0.9530, 1.5160

Previews

White Background



This preview shows how the XYZ color 21.2825, 9.1201, 84.6430 looks on a white background.

Color Contrast Check

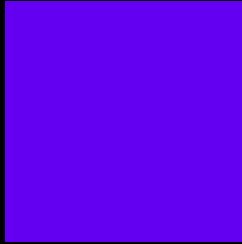
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2825, 9.1201, 84.6430 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 21.2825, 9.1201, 84.6430

Background



This preview shows how black text looks on a background with the XYZ color 21.2825, 9.1201, 84.6430.



This preview shows how white text looks on a background with the XYZ color 21.2825, 9.1201,

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

21.2825, 9.1201, 84.6430

Protanopia

10.9082, 9.4358, 41.8038

Deuteranopia

8.9972, 9.3147, 29.7575



Tritanopia

7.2377, 9.3961, 14.0025

Trichromacy



Original Color

21.2825, 9.1201, 84.6430

Protanomaly

12.3095, 7.0448, 54.7438

Deuteranomaly

10.7379, 6.7202, 45.5309

Tritanomaly

9.2901, 6.5237, 30.9066

Monochromacy



Original Color

21.2825, 9.1201, 84.6430

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

7.0166, 4.1335, 19.4968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2825, 9.1201, 84.6430 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(100, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(100, 0, 242)  
}
```

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(100, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 0, 242) }
```

Border

The CSS property to change the border of an element to XYZ 21.2825, 9.1201, 84.6430 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(100, 0, 242) }
```


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

```
.border{ border-color:rgb(100, 0, 242) }
```

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

Here you see how a box with a 4 pixel rgb(100, 0, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(100, 0,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2825, 9.1201, 84.6430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 0, 242) }
```

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

```
.background{ background-color: rgb(100, 0,  
242) }
```

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