

Converting Colors

XYZ(21.9928, 17.0375, 90.4086)

Have a look what the booklet for
XYZ(21.9928, 17.0375, 90.4086)
contains.

XYZ(21.9425, 17.0235, 90.1250)	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(21.9425, 17.0235,
90.1250)**

Conversions

Conversions Part 1

Format	Color
Hex	006AF7
RGB	0, 106, 247
RGB Percent	0%, 42%, 97%
CMY	0.9997, 0.5843, 0.0314
CMYK	1.00, 0.57, 0.00, 0.03
HSL	214°, 100%, 48%
HSV	214°, 100%, 97%
XYZ	21.9425, 17.0235, 90.1250
YIQ	90.3800, -108.4370, 21.3790

Conversions

Conversions Part 2

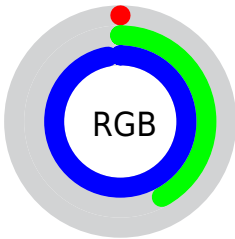
Format	Color
RYB	0, 74, 247
Decimal	27383
CIELab	48.29, 29.62, -76.94
CIELCh	48, 82.443, 291.054
Yxy	17.0235, 0.1700, 0.1319
Android (android.graphics.Color)	4278217463 (0xFF006AF7)
YUV	90.3800, 77.2137, -79.2633
Hunter-Lab	41.2595, 22.7250, -100.6280

Details

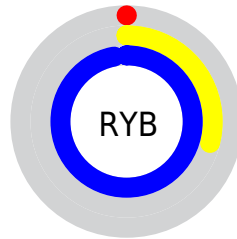
The XYZ color **21.9425, 17.0235, 90.1250** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **47.8931, 38.8440, 4.9753**, and the grayscale version is **9.6576, 10.1606, 11.0649**.

A 20% lighter version of the original color is **36.4940, 34.3764, 99.3196**, and **10.8012, 6.9058, 48.9078** is the 20% darker color. If you saturate the color by 10%, you get **21.9387, 17.0156, 90.1242**, and if you desaturate by 10%, it is **23.9127, 20.3770, 90.6689**.

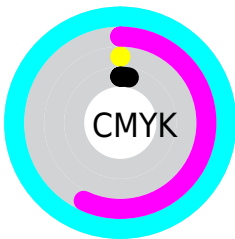
Distribution



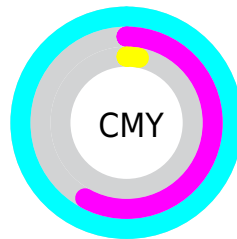
- Red (0%)
- Green (42%)
- Blue (97%)



- Red (0%)
- Yellow (29%)
- Blue (97%)



- Cyan (100%)
- Magenta (57%)
- Yellow (0%)
- Black (3%)



- Cyan (100%)
- Magenta (58%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9425, 17.0235, 90.1250 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 21.9425, 17.0235, 90.1250 by changing the saturation by 10% instead.

■ 21.9425, 17.0235,
90.1250

■ 21.9425, 17.0235,
90.1250

254.8839,
235.3078, 549.0180

■ 13.9310, 10.2512,
67.5100

■ 46.1305, 38.3662,
149.4490

■ 8.1541, 5.5659,
49.0350

■ 63.0377, 53.7054,
186.9952

■ 4.2463, 2.5829,
34.2815

■ 83.6409, 72.6690,
230.3555

■ 1.8424, 0.9181,
22.8308

■ 108.3055, 95.6415,
279.9485

■ 0.5430, 0.0000,
14.2645

■ 137.3967,
123.0073, 336.1927

■ 0.0000, 0.0000,
8.1640

171.2799,

■ 0.0000, 0.0000,

155.1506, 399.5066

4.1108

210.3205,
192.4560, 470.3089

■ 0.0000, 0.0000,
1.6863

■ 0.0000, 0.0000,
0.3513

■ 21.9425, 17.0235,
90.1250

■ 21.9425, 17.0235,
90.1250

■ 21.9387, 17.0156,
90.1242

■ 23.9127, 20.3770,
90.6689

■ 26.6316, 24.4877,
91.3191

■ 30.2643, 29.4555,
92.0865

■ 34.9132, 35.3478,
92.9788

■ 40.6656, 42.2229,
94.0026

■ 47.5983, 50.1336,
95.1642

■ 55.7809, 59.1280,
96.4690

■ 65.2769, 69.2507,
97.9224

■ 76.1457, 80.5438,
99.5293

Harmonies

Analogous

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



14.0368, 17.0235, 96.7614



21.9425, 17.0235, 90.1250



30.2112, 17.0235, 58.5831

Triad

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



21.9425, 17.0235, 90.1250



27.0616, 17.0235, 1.3884



5.6964, 17.0235, 12.8191

Complementary

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



21.9425, 17.0235, 90.1250



47.8931, 38.8440, 4.9753

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.



7.3471, 17.0235, 2.7983



21.9425, 17.0235, 90.1250



18.5316, 17.0235, 0.1271

Square

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



21.9425, 17.0235, 90.1250



33.7461, 17.0235, 7.2942



11.5271, 17.0235, 0.4417



6.0986, 17.0235, 37.7171

Rectangle

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



21.9425, 17.0235, 90.1250



34.0434, 17.0235, 35.4684



11.5271, 17.0235, 0.4417



6.0043, 17.0235, 8.0889

Sweetspot

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



21.9434, 17.0239, 90.1255



59.8984, 63.4910, 103.7057



37.9951, 68.4156, 36.0123



11.9904, 12.6853, 22.0665



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.



21.9434, 17.0239, 90.1255



23.5607, 18.2414, 96.8869



17.0121, 6.8317, 88.4181



16.1657, 17.0957, 20.9903



11.7371, 9.2680, 47.7083



1.1314, 1.0143, 4.2264

Inverse Universe

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



40.9602, 20.8163, 15.4947



44.0216, 22.3726, 16.5775



66.0674, 83.4342, 12.6242



16.7942, 16.6005, 18.6630



21.7289, 11.0350, 8.5465



1.9602, 0.9900, 1.0166

Previews

White Background



This preview shows how the XYZ color 21.9425, 17.0235, 90.1250 looks on a white background.

Color Contrast Check

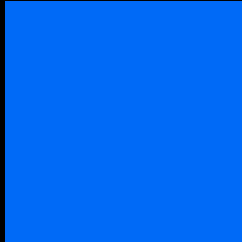
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.9425, 17.0235, 90.1250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

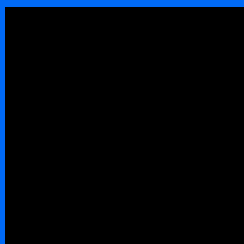
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

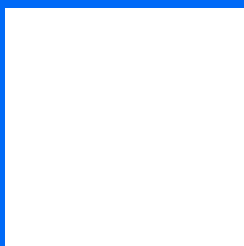
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9425, 17.0235, 90.1250

Background



This preview shows how black text looks on a background with the XYZ color 21.9425, 17.0235, 90.1250.



This preview shows how white text looks on a background with the XYZ color 21.9425, 17.0235,

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

21.9425, 17.0235, 90.1250

Protanopia

20.2839, 17.0351, 79.3098

Deuteranopia

16.7866, 16.8927, 57.0195



Tritanopia

11.8924, 16.9000, 25.1895

Trichromacy



Original Color

21.9425, 17.0235, 90.1250

Protanomaly

20.9013, 17.1103, 83.0899

Deuteranomaly

18.4295, 16.8200, 67.9209

Tritanomaly

14.3347, 16.2888, 42.9460

Monochromacy



Original Color

21.9425, 17.0235, 90.1250

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

11.1367, 11.3422, 29.2061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9425, 17.0235, 90.1250 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(0, 106, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 106, 247)  
}
```

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(0, 106, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 106, 247) }
```

Border

The CSS property to change the border of an element to XYZ 21.9425, 17.0235, 90.1250 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(0, 106, 247) }
```


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

```
.border{ border-color:rgb(0, 106, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 106, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 106, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 106, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 106,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9425, 17.0235, 90.1250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 106, 247) }
```

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

```
.background{ background-color: rgb(0, 106,  
247) }
```

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