

Converting Colors

XYZ(21.5208, 16.8345, 87.9669)

Have a look what the booklet for
XYZ(21.5208, 16.8345, 87.9669)
contains.

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Color

**XYZ(21.4832, 16.8397,
87.7061)**

Conversions

Conversions Part 1

Format	Color
Hex	006AF4
RGB	0, 106, 244
RGB Percent	0%, 42%, 96%
CMY	0.9997, 0.5843, 0.0431
CMYK	1.00, 0.57, 0.00, 0.04
HSL	214°, 100%, 48%
HSV	214°, 100%, 96%
XYZ	21.4832, 16.8397, 87.7061
YIQ	90.0380, -107.4740, 20.4460

Conversions

Conversions Part 2

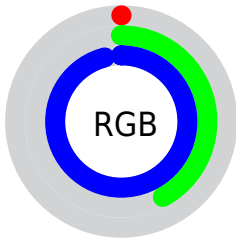
Format	Color
RYB	0, 74, 244
Decimal	27380
CIELab	48.06, 28.46, -75.64
CIELCh	48, 80.822, 290.620
Yxy	16.8397, 0.1705, 0.1336
Android (android.graphics.Color)	4278217460 (0xFF006AF4)
YUV	90.0380, 75.9033, -78.9633
Hunter-Lab	41.0362, 21.6346, -97.9943

Details

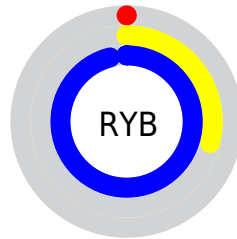
The XYZ color **21.4832, 16.8397, 87.7061** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **46.4080, 37.4316, 4.7811**, and the grayscale version is **9.5844, 10.0836, 10.9810**.

A 20% lighter version of the original color is **36.3689, 34.3119, 99.3138**, and **10.5855, 6.8196, 47.7721** is the 20% darker color. If you saturate the color by 10%, you get **21.4789, 16.8311, 87.7051**, and if you desaturate by 10%, it is **23.4101, 20.1175, 88.2377**.

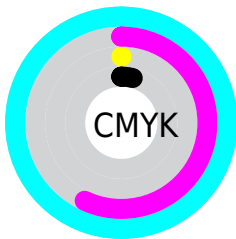
Distribution



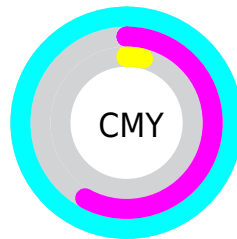
- Red (0%)
- Green (42%)
- Blue (96%)



- Red (0%)
- Yellow (29%)
- Blue (96%)



- Cyan (100%)
- Magenta (57%)
- Yellow (0%)
- Black (4%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4832, 16.8397, 87.7061 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 21.4832, 16.8397, 87.7061 by changing the saturation by 10% instead.

■ 21.4832, 16.8397,
87.7061

■ 21.4832, 16.8397,
87.7061

252.5188,
234.2469, 540.9166

■ 13.5921, 10.1203,
65.5167

■ 45.3756, 38.0500,
146.0555

■ 7.9173, 5.4788,
47.4262

■ 62.1076, 53.3096,
183.0525

■ 4.0935, 2.5308,
33.0160

■ 82.5173, 72.1847,
225.8226

■ 1.7551, 0.8920,
21.8675

■ 106.9701, 95.0597,
274.7842

■ 0.4904, 0.0000,
13.5622

■ 135.8313,
122.3191, 330.3559

■ 0.0000, 0.0000,
7.6815

169.4662,

■ 0.0000, 0.0000,

154.3471, 392.9561

3.8070

208.2403,
191.5283, 463.0035

■ 0.0000, 0.0000,
1.5201

■ 0.0000, 0.0000,
0.2328

■ 21.4832, 16.8397,
87.7061

■ 21.4832, 16.8397,
87.7061

■ 21.4789, 16.8311,
87.7051

■ 23.4101, 20.1175,
88.2377

■ 26.0607, 24.1235,
88.8712

■ 29.5955, 28.9547,
89.6174

■ 34.1137, 34.6756,
90.4835

■ 39.6996, 41.3426,
91.4760

■ 46.4275, 49.0060,
92.6006

■ 54.3647, 57.7123,
93.8627

■ 63.5726, 67.5043,
95.2675

■ 74.1086, 78.4224,
96.8196

Harmonies

Analogous

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



13.8223, 16.8397, 93.6272



21.4832, 16.8397, 87.7061



29.5133, 16.8397, 57.5684

Triad

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



21.4832, 16.8397, 87.7061



26.6820, 16.8397, 1.5026



5.7576, 16.8397, 12.5261

Complementary

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



21.4832, 16.8397, 87.7061



46.4080, 37.4316, 4.7811

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.



7.4142, 16.8397, 2.8188



21.4832, 16.8397, 87.7061



18.4075, 16.8397, 0.2178

Square

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



21.4832, 16.8397, 87.7061



33.0938, 16.8397, 7.4992



11.5486, 16.8397, 0.5043



6.1255, 16.8397, 36.4785

Rectangle

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



21.4832, 16.8397, 87.7061



33.2629, 16.8397, 35.1996



11.5486, 16.8397, 0.5043



6.0709, 16.8397, 7.9590

Sweetspot

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



21.4841, 16.8401, 87.7066



59.9987, 63.6915, 103.7392



36.6711, 66.4300, 33.5291



12.0140, 12.7324, 22.0743



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.



21.4841, 16.8401, 87.7066



23.7055, 18.5310, 96.9352



16.4854, 6.6134, 85.9961



16.1731, 17.1105, 20.9928



11.8092, 9.4121, 47.7323



1.1381, 1.0276, 4.2286

Inverse Universe

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



39.9107, 20.2754, 15.4455



44.0946, 22.4019, 16.9624



65.5665, 81.8250, 12.3402



16.7979, 16.6020, 18.6826



21.7652, 11.0495, 8.7380



1.9635, 0.9914, 1.0343

Previews

White Background



This preview shows how the XYZ color 21.4832, 16.8397, 87.7061 looks on a white background.

Color Contrast Check

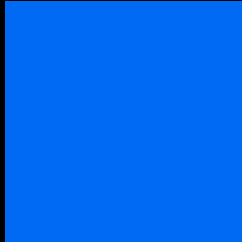
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4832, 16.8397, 87.7061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

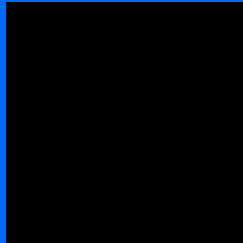
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

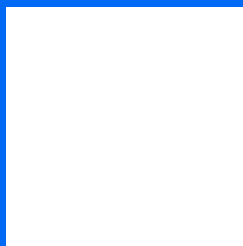
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.4832, 16.8397, 87.7061

Background



This preview shows how black text looks on a background with the XYZ color 21.4832, 16.8397, 87.7061.



This preview shows how white text looks on a background with the XYZ color 21.4832, 16.8397,

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

21.4832, 16.8397, 87.7061

Protanopia

20.0341, 16.7635, 78.5237

Deuteranopia

16.5542, 16.6143, 56.3672



Tritanopia

11.7639, 16.6429, 25.1466

Trichromacy



Original Color

21.4832, 16.8397, 87.7061

Protanomaly

20.5029, 16.7813, 81.5154

Deuteranomaly

18.0599, 16.4946, 66.5219

Tritanomaly

14.2368, 16.2496, 42.4305

Monochromacy



Original Color

21.4832, 16.8397, 87.7061

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

11.0585, 11.3109, 28.7945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4832, 16.8397, 87.7061 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, 244)` looks like.

```
.text, #text, p{  
    color:rgb(0, 106, 244)  
}
```

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, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 106, 244) }
```

Border

The CSS property to change the border of an element to XYZ 21.4832, 16.8397, 87.7061 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, 244) }
```


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

```
.border{ border-color:rgb(0, 106, 244) }
```

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, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 106, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 106, 244);  
box-shadow:4px 4px 4px 4px rgb(0, 106,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4832, 16.8397, 87.7061 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, 244) }
```

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

```
.background{ background-color: rgb(0, 106,  
244) }
```

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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