

Converting Colors

XYZ(21.7978, 17.4689, 87.8109)

Have a look what the booklet for
XYZ(21.7978, 17.4689, 87.8109)
contains.

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Color

**XYZ(21.7978, 17.4689,
87.8109)**

Conversions

Conversions Part 1

Format	Color
Hex	006DF4
RGB	0, 109, 244
RGB Percent	0%, 43%, 96%
CMY	0.9997, 0.5726, 0.0431
CMYK	1.00, 0.55, 0.00, 0.04
HSL	213°, 100%, 48%
HSV	213°, 100%, 96%
XYZ	21.7978, 17.4689, 87.8109
YIQ	91.7990, -108.2990, 18.8770

Conversions

Conversions Part 2

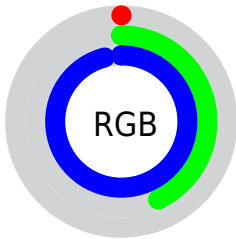
Format	Color
RYB	0, 75, 244
Decimal	28148
CIELab	48.85, 26.55, -74.36
CIELCh	49, 78.956, 289.646
Yxy	17.4689, 0.1715, 0.1375
Android (android.graphics.Color)	4278218228 (0xFF006DF4)
YUV	91.7990, 75.0351, -80.5077
Hunter-Lab	41.7958, 19.9506, -95.3082

Details

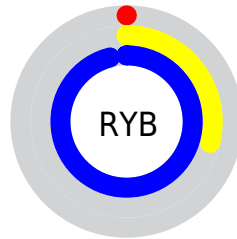
The XYZ color **21.7978, 17.4689, 87.8109** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **45.9833, 36.5823, 4.6396**, and the grayscale version is **9.9829, 10.5028, 11.4375**.

A 20% lighter version of the original color is **37.0512, 35.6766, 99.5412**, and **10.7471, 7.1429, 47.8260** is the 20% darker color. If you saturate the color by 10%, you get **21.7934, 17.4601, 87.8099**, and if you desaturate by 10%, it is **23.7388, 20.7748, 88.3472**.

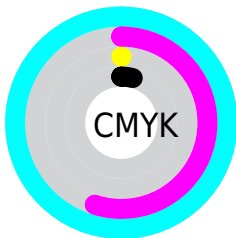
Distribution



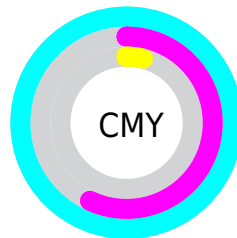
- Red (0%)
- Green (43%)
- Blue (96%)



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



- Cyan (100%)
- Magenta (55%)
- Yellow (0%)
- Black (4%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7978, 17.4689, 87.8109 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 21.7978, 17.4689, 87.8109 by changing the saturation by 10% instead.

■ 21.7978, 17.4689,
87.8109

■ 21.7978, 17.4689,
87.8109

254.1408,
237.8602, 541.2690

■ 13.8242, 10.5694,
65.6030

■ 45.8929, 39.1302,
146.2027

■ 8.0794, 5.7781,
47.4958

■ 62.7451, 54.6608,
183.2237

■ 4.1980, 2.7106,
33.0706

■ 83.2876, 73.8372,
226.0195

■ 1.8148, 0.9826,
21.9090

■ 107.8856, 97.0438,
275.0086

■ 0.5265, 0.0000,
13.5924

■ 136.9046,
124.6650, 330.6095

■ 0.0000, 0.0000,
7.7022

170.7099,

■ 0.0000, 0.0000,

157.0852, 393.2409

3.8200

209.6668,
194.6888, 463.3212

■ 0.0000, 0.0000,
1.5271

■ 0.0000, 0.0000,
0.2380

■ 21.7978, 17.4689,
87.8109

■ 21.7978, 17.4689,
87.8109

■ 21.7934, 17.4601,
87.8099

■ 23.7388, 20.7748,
88.3472

■ 26.3950, 24.7920,
88.9826

■ 29.9263, 29.6162,
89.7276

■ 34.4312, 35.3104,
90.5893

■ 39.9933, 41.9298,
91.5738

■ 46.6866, 49.5238,
92.6868

■ 54.5775, 58.1376,
93.9335

■ 63.7272, 67.8131,
95.3189

■ 74.1925, 78.5897,
96.8474

Harmonies

Analogous

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



14.2009, 17.4689, 92.5789



21.7978, 17.4689, 87.8109



29.8003, 17.4689, 58.8648

Triad

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



21.7978, 17.4689, 87.8109



27.4828, 17.4689, 1.8736



6.2521, 17.4689, 12.6582

Complementary

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



21.7978, 17.4689, 87.8109



45.9833, 36.5823, 4.6396

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.



8.0236, 17.4689, 3.0405



21.7978, 17.4689, 87.8109



19.2633, 17.4689, 0.4577

Square

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



21.7978, 17.4689, 87.8109



33.6936, 17.4689, 8.4346



12.3081, 17.4689, 0.6891



6.5648, 17.4689, 36.0402

Rectangle

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



21.7978, 17.4689, 87.8109



33.5983, 17.4689, 36.7622



12.3081, 17.4689, 0.6891



6.5969, 17.4689, 8.1652

Sweetspot

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



21.7987, 17.4693, 87.8114



60.2341, 64.1624, 103.8176



36.6712, 66.4299, 33.5293



12.0693, 12.8431, 22.0928



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.



21.7987, 17.4693, 87.8114



24.0527, 19.2254, 97.0509



16.4854, 6.6134, 85.9960



16.1904, 17.1450, 20.9986



11.9817, 9.7573, 47.7899



1.1540, 1.0594, 4.2339

Inverse Universe

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



40.0695, 20.3389, 16.2817



44.2699, 22.4720, 17.8851



65.5665, 81.8249, 12.3402



16.8067, 16.6055, 18.7285



21.8523, 11.0844, 9.1968



1.9715, 0.9946, 1.0765

Previews

White Background



This preview shows how the XYZ color 21.7978, 17.4689, 87.8109 looks on a white background.

Color Contrast Check

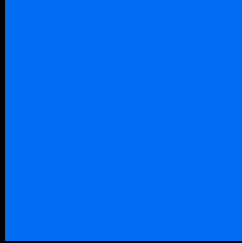
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7978, 17.4689, 87.8109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

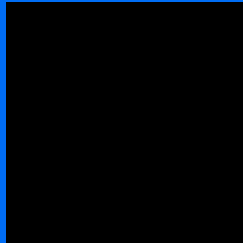
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

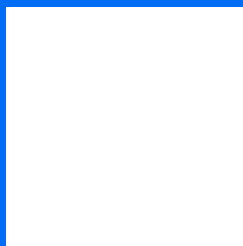
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.7978, 17.4689, 87.8109

Background



This preview shows how black text looks on a background with the XYZ color 21.7978, 17.4689, 87.8109.



This preview shows how white text looks on a background with the XYZ color 21.7978, 17.4689,

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

21.7978, 17.4689, 87.8109

Protanopia

20.8248, 17.4250, 81.6227

Tritanopia

12.1631, 17.2159, 25.9745

Trichromacy



Original Color

21.7978, 17.4689, 87.8109

Protanomaly

21.1559, 17.3839, 83.9017

Tritanomaly

14.5752, 16.7699, 43.0262

Monochromacy



Original Color

21.7978, 17.4689, 87.8109

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.4378, 11.7718, 29.2731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7978, 17.4689, 87.8109 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, 109, 244)` looks like.

```
.text, #text, p{  
    color:rgb(0, 109, 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, 109, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 244) }
```

Border

The CSS property to change the border of an element to XYZ 21.7978, 17.4689, 87.8109 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, 109, 244) }
```

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

```
.border{ border-color:rgb(0, 109, 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, 109, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 109, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 109, 244);  
box-shadow:4px 4px 4px 4px rgb(0, 109,  
244) }
```


Background

The CSS property to change the background color of an element to XYZ 21.7978, 17.4689, 87.8109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 109, 244) }
```

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

```
.background{ background-color: rgb(0, 109,  
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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