

Converting Colors

XYZ(14.5674, 12.8374, 90.3470)

Have a look what the booklet for
XYZ(14.5674, 12.8374, 90.3470)
contains.

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Color

**XYZ(21.8936, 16.6779,
90.8722)**

Conversions

Conversions Part 1

Format	Color
Hex	0068F8
RGB	0, 104, 248
RGB Percent	0%, 41%, 97%
CMY	0.9997, 0.5922, 0.0274
CMYK	1.00, 0.58, 0.00, 0.03
HSL	215°, 100%, 49%
HSV	215°, 100%, 97%
XYZ	21.8936, 16.6779, 90.8722
YIQ	89.3200, -108.2080, 22.7360

Conversions

Conversions Part 2

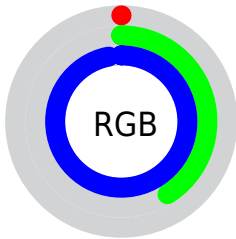
Format	Color
R _{YB}	0, 73, 248
Decimal	26872
CIE _{Lab}	47.85, 31.28, -78.21
CIE _{LCh}	48, 84.234, 291.796
Y _{xy}	16.6779, 0.1691, 0.1288
Android (android.graphics.Color)	4278216952 (0xFF0068F8)
YUV	89.3200, 78.2292, -78.3336
Hunter-Lab	40.8386, 24.2265, -103.3425

Details

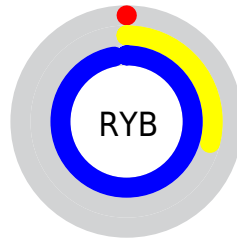
The XYZ color **21.8936, 16.6779, 90.8722** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **48.6968, 39.9262, 5.1421**, and the grayscale version is **9.4207, 9.9113, 10.7935**.

A 20% lighter version of the original color is **36.2877, 33.7759, 99.2146**, and **10.8582, 6.8456, 49.4642** is the 20% darker color. If you saturate the color by 10%, you get **21.8893, 16.6691, 90.8712**, and if you desaturate by 10%, it is **23.8672, 20.0345, 91.4165**.

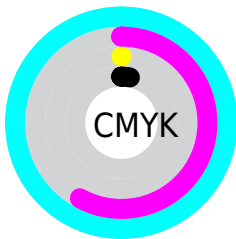
Distribution



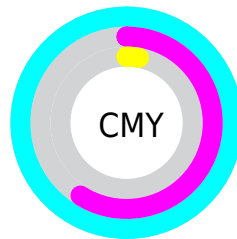
- Red (0%)
- Green (41%)
- Blue (97%)



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



- Cyan (100%)
- Magenta (58%)
- Yellow (0%)
- Black (3%)



- Cyan (100%)
- Magenta (59%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8936, 16.6779, 90.8722 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 21.8936, 16.6779, 90.8722 by changing the saturation by 10% instead.

■ 21.8936, 16.6779,
90.8722

■ 21.8936, 16.6779,
90.8722

254.6329,
233.3093, 551.5072

■ 13.8949, 10.0051,
68.1265

■ 46.0502, 37.7711,
150.4954

■ 8.1288, 5.4023,
49.5333

■ 62.9389, 52.9604,
188.2100

■ 4.2300, 2.4852,
34.6741

■ 83.5216, 71.7572,
231.7513

■ 1.8331, 0.8692,
23.1304

■ 108.1637, 94.5461,
281.5378

■ 0.5375, 0.0000,
14.4836

■ 137.2305,
121.7113, 337.9881

■ 0.0000, 0.0000,
8.3152

171.0874,

■ 0.0000, 0.0000,

153.6373, 401.5208

4.2067

210.0998,
190.7085, 472.5543

■ 0.0000, 0.0000,
1.7394

■ 0.0000, 0.0000,
0.3875

■ 21.8936, 16.6779,
90.8722

■ 21.8936, 16.6779,
90.8722

■ 21.8893, 16.6691,
90.8712

■ 23.8672, 20.0345,
91.4165

■ 26.6040, 24.1697,
92.0705

■ 30.2709, 29.1857,
92.8454

■ 34.9720, 35.1514,
93.7491

■ 40.7959, 42.1270,
94.7886

■ 47.8208, 50.1668,
95.9702

■ 56.1173, 59.3202,
97.2997

■ 65.7502, 69.6334,
98.7826

■ 76.7798, 81.1494,
100.4241

Harmonies

Analogous

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



13.8644, 16.6779, 98.5493



21.8936, 16.6779, 90.8722



30.2606, 16.6779, 58.0628

Triad

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



21.8936, 16.6779, 90.8722



26.6648, 16.6779, 1.1512



5.3692, 16.6779, 12.8372

Complementary

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



21.8936, 16.6779, 90.8722



48.6968, 39.9262, 5.1421

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.



6.9447, 16.6779, 2.6546



21.8936, 16.6779, 90.8722



18.0207, 16.6779, 0.0000

Square

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



21.8936, 16.6779, 90.8722



33.5704, 16.6779, 6.6627



11.0384, 16.6779, 0.2999



5.8142, 16.6779, 38.4507

Rectangle

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



21.8936, 16.6779, 90.8722



34.0877, 16.6779, 34.5419



11.0384, 16.6779, 0.2999



5.6558, 16.6779, 8.0021

Sweetspot

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



21.8945, 16.6783, 90.8727



59.7119, 63.1179, 103.6436



38.3440, 69.0458, 36.3365



11.9466, 12.5977, 22.0519



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.



21.8945, 16.6783, 90.8727



23.2962, 17.7124, 96.7987



17.1683, 6.8945, 89.2333



16.8809, 17.8386, 21.9388



11.9559, 9.2673, 49.1322



1.2095, 1.0626, 4.5845

Inverse Universe

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



41.2111, 20.9576, 14.9696



43.8881, 22.3192, 15.8744



66.6756, 84.2029, 12.7407



17.5464, 17.3459, 19.4672



22.3268, 11.3464, 8.4293



2.1194, 1.0715, 1.0522

Previews

White Background



This preview shows how the XYZ color 21.8936, 16.6779, 90.8722 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 21.8936, 16.6779, 90.8722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

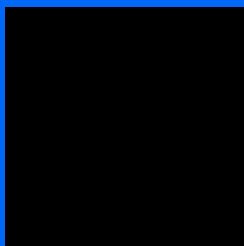
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.8936, 16.6779, 90.8722

Background



This preview shows how black text looks on a background with the XYZ color 21.8936, 16.6779, 90.8722.



This preview shows how white text looks on a background with the XYZ color 21.8936, 16.6779,

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

21.8936, 16.6779, 90.8722

Protanopia

19.8924, 16.7068, 77.7776

Deuteranopia

16.4384, 16.5680, 55.7576



Tritanopia

11.5673, 16.3607, 24.7386

Trichromacy



Original Color

21.8936, 16.6779, 90.8722

Protanomaly

20.5438, 16.6298, 82.2479

Deuteranomaly

18.1888, 16.5462, 67.2008

Tritanomaly

14.0992, 15.8177, 42.8675

Monochromacy



Original Color

21.8936, 16.6779, 90.8722

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.9565, 10.9818, 29.1460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8936, 16.6779, 90.8722 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, 104, 248)` looks like.

```
.text, #text, p{  
  color:rgb(0, 104, 248)  
}
```

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, 104, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 104, 248) }
```

Border

The CSS property to change the border of an element to XYZ 21.8936, 16.6779, 90.8722 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, 104, 248) }
```


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

```
.border{ border-color:rgb(0, 104, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 104, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 104, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 104, 248);  
box-shadow:4px 4px 4px 4px rgb(0, 104,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8936, 16.6779, 90.8722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 104, 248) }
```

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

```
.background{ background-color: rgb(0, 104,  
248) }
```

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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