

Converting Colors

XYZ(12.0987, 13.6839, 86.3038)

Have a look what the booklet for
XYZ(12.0987, 13.6839, 86.3038)
contains.

XYZ(22.2724, 18.9016, 86.4789)	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(22.2724, 18.9016,
86.4789)**

Conversions

Conversions Part 1

Format	Color
Hex	0074F2
RGB	0, 116, 242
RGB Percent	0%, 45%, 95%
CMY	0.9997, 0.5451, 0.0510
CMYK	1.00, 0.52, 0.00, 0.05
HSL	211°, 100%, 47%
HSV	211°, 100%, 95%
XYZ	22.2724, 18.9016, 86.4789
YIQ	95.6800, -109.5820, 14.5940

Conversions

Conversions Part 2

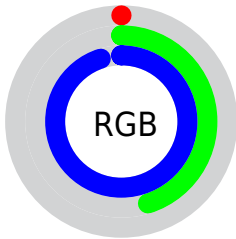
Format	Color
R _Y B	0, 78, 242
Decimal	29938
CIE Lab	50.57, 21.31, -70.44
CIE LCh	51, 73.590, 286.832
Yxy	18.9016, 0.1745, 0.1481
Android (android.graphics.Color)	4278220018 (0xFF0074F2)
YUV	95.6800, 72.1358, -83.9114
Hunter-Lab	43.4760, 15.3612, -87.5017

Details

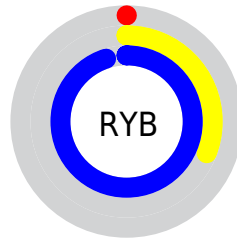
The XYZ color **22.2724, 18.9016, 86.4789** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark saturated azure. A complement of this color would be **44.0880, 33.8164, 4.2054**, and the grayscale version is **10.8963, 11.4637, 12.4840**.

A 20% lighter version of the original color is **38.1754, 38.1086, 99.9514**, and **10.8851, 7.7590, 46.8229** is the 20% darker color. If you saturate the color by 10%, you get **22.2685, 18.8937, 86.4781**, and if you desaturate by 10%, it is **24.2083, 22.2046, 87.0149**.

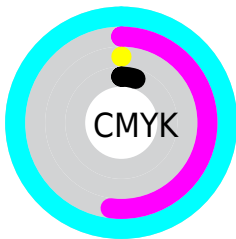
Distribution



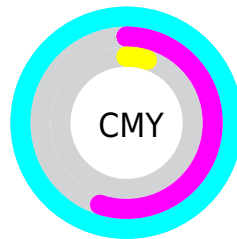
- Red (0%)
- Green (45%)
- Blue (95%)



- Red (0%)
- Yellow (31%)
- Blue (95%)



- Cyan (100%)
- Magenta (52%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (55%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2724, 18.9016, 86.4789 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 22.2724, 18.9016, 86.4789 by changing the saturation by 10% instead.

■ 22.2724, 18.9016,
86.4789

■ 22.2724, 18.9016,
86.4789

256.5712,
245.9050, 536.7807

■ 14.1749, 11.5992,
64.5069

■ 46.6713, 41.5678,
144.3300

■ 8.3249, 6.4714,
46.6125

■ 63.7034, 57.7003,
181.0463

■ 4.3571, 3.1338,
32.3773

■ 84.4445, 77.5450,
223.5143

■ 1.9061, 1.2020,
21.3827

■ 109.2599,
101.4863, 272.1527

■ 0.5804, 0.0633,
13.2100

■ 138.5149,
129.9086, 327.3800

■ 0.0000, 0.0000,
7.4409

172.5748,

■ 0.0000, 0.0000,

163.1962, 389.6147

3.6567

211.8052,
201.7335, 459.2754

■ 0.0000, 0.0000,
1.4390

■ 0.0000, 0.0000,
0.1718

■ 22.2724, 18.9016,
86.4789

■ 22.2724, 18.9016,
86.4789

■ 22.2685, 18.8937,
86.4781

■ 24.2083, 22.2046,
87.0149

■ 26.8236, 26.1615,
87.6408

■ 30.2740, 30.8631,
88.3665

■ 34.6543, 36.3682,
89.1982

■ 40.0453, 42.7279,
90.1416

■ 46.5178, 49.9880,
91.2018

■ 54.1360, 58.1903,
92.3835

■ 62.9585, 67.3734,
93.6910

■ 73.0398, 77.5737,
95.1285

Harmonies

Analogous

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



14.9970, 18.9016, 88.1959



22.2724, 18.9016, 86.4789



30.0498, 18.9016, 61.2788

Triad

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



22.2724, 18.9016, 86.4789



29.1779, 18.9016, 3.1054



7.5878, 18.9016, 12.8157

Complementary

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



22.2724, 18.9016, 86.4789



44.0880, 33.8164, 4.2054

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.



9.6523, 18.9016, 3.6408



22.2724, 18.9016, 86.4789



21.3018, 18.9016, 1.0915

Square

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



22.2724, 18.9016, 86.4789



34.7087, 18.9016, 11.1144



14.2529, 18.9016, 1.1866



7.7173, 18.9016, 34.3030

Rectangle

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



22.2724, 18.9016, 86.4789



33.9045, 18.9016, 40.4136



14.2529, 18.9016, 1.1866



8.0186, 18.9016, 8.6047

Sweetspot

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



22.2733, 18.9021, 86.4794



60.8658, 65.4258, 104.0282



35.4590, 64.9874, 30.0990



12.2181, 13.1406, 22.1424



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.



22.2733, 18.9021, 86.4794



25.0335, 21.1869, 97.3778



16.0791, 6.4387, 84.4002



15.5222, 16.4785, 20.0842



12.0979, 10.4201, 46.5015



1.1055, 1.0650, 3.9015

Inverse Universe

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



39.7713, 20.1398, 18.3142



44.7649, 22.6700, 20.4920



67.0020, 81.6765, 12.2357



16.0883, 15.8850, 18.0211



21.4321, 10.8453, 10.1920



1.8330, 0.9222, 1.1112

Previews

White Background



This preview shows how the XYZ color 22.2724, 18.9016, 86.4789 looks on a white background.

Color Contrast Check

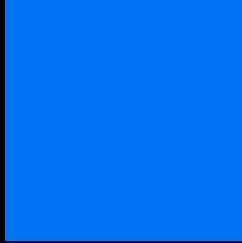
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.2724, 18.9016, 86.4789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

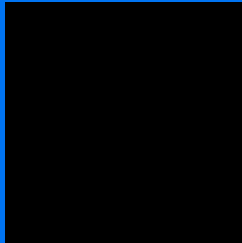
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

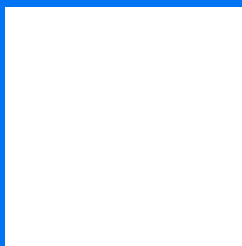
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.2724, 18.9016, 86.4789

Background



This preview shows how black text looks on a background with the XYZ color 22.2724, 18.9016, 86.4789.



This preview shows how white text looks on a background with the XYZ color 22.2724, 18.9016,

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

22.2724, 18.9016, 86.4789

Protanopia

22.5433, 18.8884, 85.6767

Deuteranopia

18.9666, 18.9194, 64.9395



Tritanopia

13.1952, 18.6981, 28.1129

Trichromacy



Original Color

22.2724, 18.9016, 86.4789

Protanomaly

22.2765, 18.7508, 85.6643

Deuteranomaly

20.0358, 18.7607, 72.3772

Tritanomaly

15.6253, 18.3931, 44.8462

Monochromacy



Original Color

22.2724, 18.9016, 86.4789

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

12.1995, 12.8625, 30.2735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2724, 18.9016, 86.4789 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, 116, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 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(0, 116, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 242) }
```

Border

The CSS property to change the border of an element to XYZ 22.2724, 18.9016, 86.4789 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, 116, 242) }
```


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

```
.border{ border-color:rgb(0, 116, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 116, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 116,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2724, 18.9016, 86.4789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 242) }
```

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

```
.background{ background-color: rgb(0, 116,  
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