

Converting Colors

XYZ(22.9365, 19.9801, 87.4700)

Have a look what the booklet for
XYZ(22.9365, 19.9801, 87.4700)
contains.

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Color

**XYZ(22.8941, 19.9040,
87.4292)**

Conversions

Conversions Part 1

Format	Color
Hex	0078F3
RGB	0, 120, 243
RGB Percent	0%, 47%, 95%
CMY	0.9997, 0.5294, 0.0471
CMYK	1.00, 0.51, 0.00, 0.05
HSL	210°, 100%, 48%
HSV	210°, 100%, 95%
XYZ	22.8941, 19.9040, 87.4292
YIQ	98.1420, -111.0030, 12.8130

Conversions

Conversions Part 2

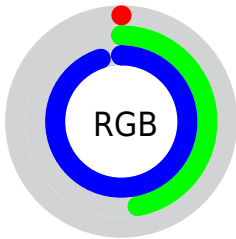
Format	Color
R _{YB}	0, 80, 243
Decimal	30963
CIE _{Lab}	51.73, 19.17, -69.12
CIE _{LCh}	52, 71.727, 285.498
Yxy	19.9040, 0.1758, 0.1528
Android (android.graphics.Color)	4278221043 (0xFF0078F3)
YUV	98.1420, 71.4150, -86.0705
Hunter-Lab	44.6139, 13.5249, -84.9600

Details

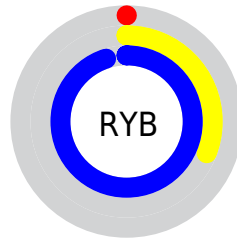
The XYZ color **22.8941, 19.9040, 87.4292** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **44.0539, 33.2373, 4.0954**, and the grayscale version is **11.4977, 12.0964, 13.1730**.

A 20% lighter version of the original color is **38.9196, 39.5970, 100.1995**, and **11.2455, 8.3103, 47.4657** is the 20% darker color. If you saturate the color by 10%, you get **22.8903, 19.8961, 87.4284**, and if you desaturate by 10%, it is **24.8557, 23.2548, 87.9731**.

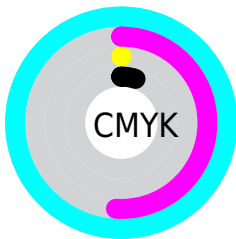
Distribution



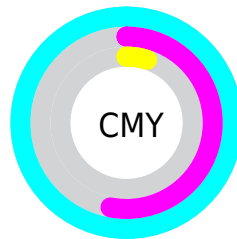
- Red (0%)
- Green (47%)
- Blue (95%)



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



- Cyan (100%)
- Magenta (51%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (53%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8941, 19.9040, 87.4292 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 22.8941, 19.9040, 87.4292 by changing the saturation by 10% instead.

■ 22.8941, 19.9040,
87.4292

■ 22.8941, 19.9040,
87.4292

259.7261,
251.3949, 539.9850

■ 14.6356, 12.3253,
65.2888

■ 47.6873, 43.2562,
145.6664

■ 8.6487, 6.9656,
47.2425

■ 64.9527, 59.7984,
182.6002

■ 4.5680, 3.4406,
32.8717

■ 85.9512, 80.0973,
225.3023

■ 2.0282, 1.3659,
21.7578

■ 111.0480,
104.5372, 274.1911

■ 0.6497, 0.1914,
13.4825

■ 140.6085,
133.5025, 329.6853

■ 0.0000, 0.0000,
7.6270

174.9982,

■ 0.0000, 0.0000,

167.3776, 392.2033

3.7729

214.5822,
206.5470, 462.1636

■ 0.0000, 0.0000,
1.5016

■ 0.0000, 0.0000,
0.2191

■ 22.8941, 19.9040,
87.4292

■ 22.8941, 19.9040,
87.4292

■ 22.8903, 19.8961,
87.4284

■ 24.8557, 23.2548,
87.9731

■ 27.4938, 27.2467,
88.6046

■ 30.9646, 31.9698,
89.3333

■ 35.3637, 37.4826,
90.1655

■ 40.7717, 43.8355,
91.1067

■ 47.2598, 51.0735,
92.1618

■ 54.8924, 59.2379,
93.3354

■ 63.7280, 68.3668,
94.6318

■ 73.8214, 78.4960,
96.0549

Harmonies

Analogous

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



15.6367, 19.9040, 87.8852



22.8941, 19.9040, 87.4292



30.7083, 19.9040, 63.4463

Triad

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



22.8941, 19.9040, 87.4292



30.4722, 19.9040, 3.8450



8.3747, 19.9040, 13.1309

Complementary

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



22.8941, 19.9040, 87.4292



44.0539, 33.2373, 4.0954

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.



10.6137, 19.9040, 4.0020



22.8941, 19.9040, 87.4292



22.6293, 19.9040, 1.4432

Square

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



22.8941, 19.9040, 87.4292



35.7882, 19.9040, 12.6567



15.4314, 19.9040, 1.4729



8.4111, 19.9040, 34.1902

Rectangle

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



22.8941, 19.9040, 87.4292



34.6551, 19.9040, 42.8120



15.4314, 19.9040, 1.4729



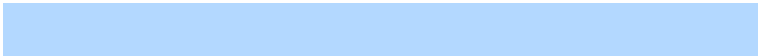
8.8549, 19.9040, 8.9705

Sweetspot

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



22.8951, 19.9045, 87.4298



61.1494, 65.9930, 104.1228



35.5356, 65.4956, 29.0300



12.2850, 13.2745, 22.1647



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.



22.8951, 19.9045, 87.4298



25.4969, 22.1138, 97.5323



16.1793, 6.4730, 85.1912



16.2568, 17.2779, 21.0207



12.6974, 11.1886, 48.0284



1.2186, 1.1887, 4.2554

Inverse Universe

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



40.3532, 20.4123, 19.5825



44.9989, 22.7635, 21.7239



69.0135, 83.1565, 12.4153



16.8402, 16.6189, 18.9051



22.2136, 11.2289, 11.0990



2.0042, 1.0076, 1.2483

Previews

White Background



This preview shows how the XYZ color 22.8941, 19.9040, 87.4292 looks on a white background.

Color Contrast Check

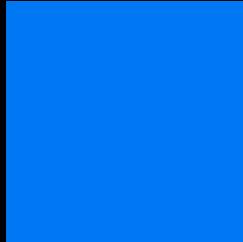
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8941, 19.9040, 87.4292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

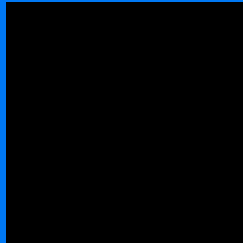
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

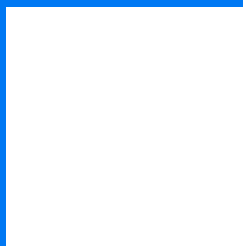
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.8941, 19.9040, 87.4292

Background



This preview shows how black text looks on a background with the XYZ color 22.8941, 19.9040, 87.4292.



This preview shows how white text looks on a background with the XYZ color 22.8941, 19.9040,

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

22.8941, 19.9040, 87.4292

Protanopia

23.4378, 19.8656, 85.8182

Deuteranopia

19.9885, 19.7292, 69.0843



Tritanopia

13.9150, 19.6527, 29.8480

Trichromacy



Original Color

22.8941, 19.9040, 87.4292

Protanomaly

23.1305, 19.8657, 86.6197

Deuteranomaly

20.9481, 19.7120, 75.3738

Tritanomaly

16.3231, 19.3015, 46.5813

Monochromacy



Original Color

22.8941, 19.9040, 87.4292

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.7266, 13.5666, 31.2260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8941, 19.9040, 87.4292 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, 120, 243)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 243)  
}
```

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, 120, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 243) }
```

Border

The CSS property to change the border of an element to XYZ 22.8941, 19.9040, 87.4292 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, 120, 243) }
```


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

```
.border{ border-color:rgb(0, 120, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 120, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 243);  
box-shadow:4px 4px 4px 4px rgb(0, 120,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8941, 19.9040, 87.4292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 243) }
```

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

```
.background{ background-color: rgb(0, 120,  
243) }
```

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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