

Converting Colors

XYZ(22.3712, 19.0391, 86.6972)

Have a look what the booklet for
XYZ(22.3712, 19.0391, 86.6972)
contains.

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Color

**XYZ(22.3883, 19.1334,
86.5175)**

Conversions

Conversions Part 1

Format	Color
Hex	0075F2
RGB	0, 117, 242
RGB Percent	0%, 46%, 95%
CMY	0.9997, 0.5412, 0.0510
CMYK	1.00, 0.52, 0.00, 0.05
HSL	211°, 100%, 47%
HSV	211°, 100%, 95%
XYZ	22.3883, 19.1334, 86.5175
YIQ	96.2670, -109.8570, 14.0710

Conversions

Conversions Part 2

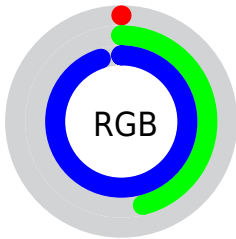
Format	Color
R _Y B	0, 79, 242
Decimal	30194
CIE Lab	50.84, 20.67, -70.00
CIE LCh	51, 72.987, 286.455
Yxy	19.1334, 0.1749, 0.1494
Android (android.graphics.Color)	4278220274 (0xFF0075F2)
YUV	96.2670, 71.8464, -84.4262
Hunter-Lab	43.7417, 14.8135, -86.6514

Details

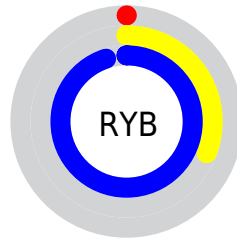
The XYZ color **22.3883, 19.1334, 86.5175** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark saturated azure. A complement of this color would be **43.9607, 33.5618, 4.1630**, and the grayscale version is **11.0383, 11.6131, 12.6467**.

A 20% lighter version of the original color is **38.3593, 38.4765, 100.0127**, and **10.9471, 7.8831, 46.8436** is the 20% darker color. If you saturate the color by 10%, you get **22.3844, 19.1254, 86.5167**, and if you desaturate by 10%, it is **24.3269, 22.4419, 87.0544**.

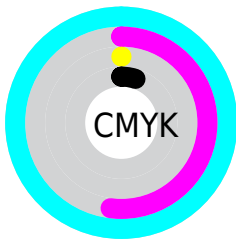
Distribution



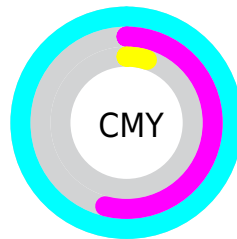
- Red (0%)
- Green (46%)
- Blue (95%)



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



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



- Cyan (100%)
- Magenta (54%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3883, 19.1334, 86.5175 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 22.3883, 19.1334, 86.5175 by changing the saturation by 10% instead.

■ 22.3883, 19.1334,
86.5175

■ 22.3883, 19.1334,
86.5175

257.1618,
247.1842, 536.9110

■ 14.2607, 11.7667,
64.5386

■ 46.8610, 41.9594,
144.3844

■ 8.3851, 6.5850,
46.6381

■ 63.9369, 58.1875,
181.1094

■ 4.3962, 3.2040,
32.3974

■ 84.7262, 78.1382,
223.5870

■ 1.9286, 1.2391,
21.3979

■ 109.5942,
102.1958, 272.2356

■ 0.5934, 0.0933,
13.2211

■ 138.9065,
130.7449, 327.4738

■ 0.0000, 0.0000,
7.4484

173.0283,

■ 0.0000, 0.0000,

164.1697, 389.7200

3.6614

212.3249,
202.8547, 459.3929

■ 0.0000, 0.0000,
1.4415

■ 0.0000, 0.0000,
0.1738

■ 22.3883, 19.1334,
86.5175

■ 22.3883, 19.1334,
86.5175

■ 22.3844, 19.1254,
86.5167

■ 24.3269, 22.4419,
87.0544

■ 26.9422, 26.3988,
87.6803

■ 30.3897, 31.0945,
88.4050

■ 34.7641, 36.5876,
89.2347

■ 40.1458, 42.9288,
90.1750

■ 46.6056, 50.1635,
91.2310

■ 54.2076, 58.3333,
92.4073

■ 63.0101, 67.4765,
93.7082

■ 73.0677, 77.6292,
95.1377

Harmonies

Analogous

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



15.1371, 19.1334, 87.8688



22.3883, 19.1334, 86.5175



30.1555, 19.1334, 61.7294

Triad

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



22.3883, 19.1334, 86.5175



29.4655, 19.1334, 3.2978



7.7868, 19.1334, 12.8698

Complementary

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



22.3883, 19.1334, 86.5175



43.9607, 33.5618, 4.1630

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.



9.8948, 19.1334, 3.7315



22.3883, 19.1334, 86.5175



21.6185, 19.1334, 1.1824

Square

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



22.3883, 19.1334, 86.5175



34.9214, 19.1334, 11.5121



14.5450, 19.1334, 1.2609



7.8905, 19.1334, 34.1768

Rectangle

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



22.3883, 19.1334, 86.5175



34.0261, 19.1334, 40.9820



14.5450, 19.1334, 1.2609



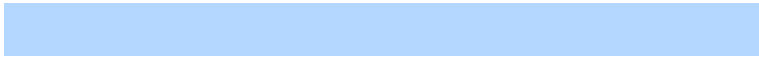
8.2303, 19.1334, 8.6843

Sweetspot

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



22.3892, 19.1339, 86.5180



60.9465, 65.5871, 104.0551



35.4590, 64.9874, 30.0991



12.2371, 13.1787, 22.1487



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.



22.3892, 19.1339, 86.5180



25.1638, 21.4476, 97.4213



16.0791, 6.4388, 84.4002



15.5278, 16.4897, 20.0860



12.1605, 10.5453, 46.5224



1.1108, 1.0756, 3.9033

Inverse Universe

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



39.8298, 20.1632, 18.6223



44.8307, 22.6963, 20.8385



67.0020, 81.6764, 12.2357



16.0911, 15.8861, 18.0359



21.4637, 10.8579, 10.3583



1.8356, 0.9233, 1.1253

Previews

White Background



This preview shows how the XYZ color 22.3883, 19.1334, 86.5175 looks on a white background.

Color Contrast Check

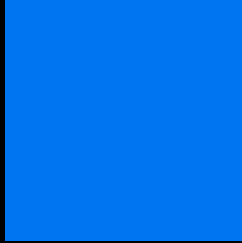
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3883, 19.1334, 86.5175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

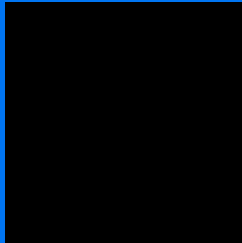
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

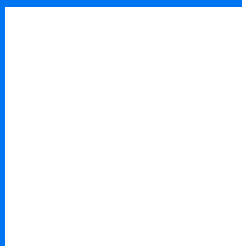
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.3883, 19.1334, 86.5175

Background



This preview shows how black text looks on a background with the XYZ color 22.3883, 19.1334, 86.5175.



This preview shows how white text looks on a background with the XYZ color 22.3883, 19.1334,

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

22.3883, 19.1334, 86.5175

Protanopia

22.8157, 19.1990, 85.7223

Deuteranopia

19.0932, 18.9700, 65.6060



Tritanopia

13.4076, 19.0032, 28.5525

Trichromacy



Original Color

22.3883, 19.1334, 86.5175

Protanomaly

22.4535, 19.0122, 85.7054

Deuteranomaly

20.2919, 19.0566, 73.1298

Tritanomaly

15.7551, 18.6527, 44.8894

Monochromacy



Original Color

22.3883, 19.1334, 86.5175

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

12.2996, 13.0627, 30.3069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3883, 19.1334, 86.5175 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, 117, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 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, 117, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 242) }
```

Border

The CSS property to change the border of an element to XYZ 22.3883, 19.1334, 86.5175 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, 117, 242) }
```


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

```
.border{ border-color:rgb(0, 117, 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, 117, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 117,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3883, 19.1334, 86.5175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 117, 242) }
```

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

```
.background{ background-color: rgb(0, 117,  
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](#).

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