

Converting Colors

XYZ(19.7735, 16.2308, 78.4719)

Have a look what the booklet for
XYZ(19.7735, 16.2308, 78.4719)
contains.

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Color

**XYZ(19.7195, 16.1343,
78.4188)**

Conversions

Conversions Part 1

Format	Color
Hex	006AE8
RGB	0, 106, 232
RGB Percent	0%, 42%, 91%
CMY	0.9998, 0.5843, 0.0902
CMYK	1.00, 0.54, 0.00, 0.09
HSL	213°, 100%, 46%
HSV	213°, 100%, 91%
XYZ	19.7195, 16.1343, 78.4188
YIQ	88.6700, -103.6220, 16.7140

Conversions

Conversions Part 2

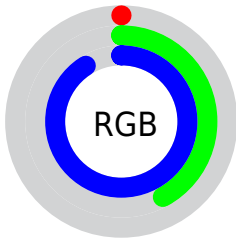
Format	Color
RYB	0, 73, 232
Decimal	27368
CIELab	47.15, 23.80, -70.39
CIELCh	47, 74.308, 288.680
Yxy	16.1343, 0.1726, 0.1412
Android (android.graphics.Color)	4278217448 (0xFF006AE8)
YUV	88.6700, 70.6617, -77.7636
Hunter-Lab	40.1675, 17.3381, -87.6342

Details

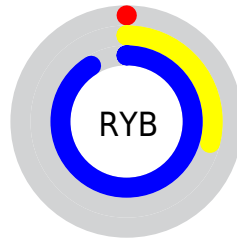
The XYZ color **19.7195, 16.1343, 78.4188** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **40.7475, 32.0926, 4.0485**, and the grayscale version is **9.2926, 9.7765, 10.6466**.

A 20% lighter version of the original color is **36.0019, 34.1227, 99.2966**, and **9.3537, 6.3269, 41.2857** is the 20% darker color. If you saturate the color by 10%, you get **19.7164, 16.1279, 78.4182**, and if you desaturate by 10%, it is **21.4746, 19.1109, 78.9013**.

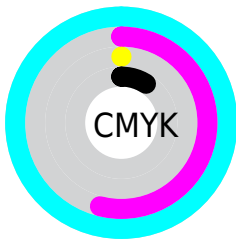
Distribution



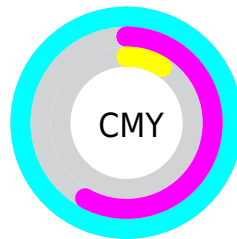
- Red (0%)
- Green (42%)
- Blue (91%)



- Red (0%)
- Yellow (29%)
- Blue (91%)



- Cyan (100%)
- Magenta (54%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (58%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7195, 16.1343, 78.4188 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 19.7195, 16.1343, 78.4188 by changing the saturation by 10% instead.

■ 19.7195, 16.1343,
78.4188

■ 19.7195, 16.1343,
78.4188

243.2551,
230.1329, 509.1535

■ 12.2984, 9.6192,
57.8996

■ 42.4539, 36.8312,
132.9316

■ 7.0209, 5.1472,
41.3138

■ 58.4980, 51.7818,
167.7622

■ 3.5216, 2.3339,
28.2428

■ 78.1471, 70.3131,
208.2004

■ 1.4352, 0.7916,
18.2681

■ 101.7665, 92.8094,
254.6647

■ 0.2811, 0.0000,
10.9712

■ 129.7217,
119.6551, 307.5736

■ 0.0000, 0.0000,
5.9336

162.3779,

■ 0.0000, 0.0000,

151.2347, 367.3457

2.7366

200.1006,
187.9325, 434.3995

■ 0.0000, 0.0000,
0.9618

■ 0.0000, 0.0000,
0.0000

■ 19.7195, 16.1343,
78.4188

■ 19.7195, 16.1343,
78.4188

■ 19.7164, 16.1279,
78.4182

■ 21.4746, 19.1109,
78.9013

■ 23.8571, 22.7059,
79.4696

■ 27.0112, 27.0045,
80.1331

■ 31.0233, 32.0617,
80.8978

■ 35.9667, 37.9251,
81.7690

■ 41.9062, 44.6376,
82.7515

■ 48.9004, 52.2383,
83.8500

■ 57.0029, 60.7637,
85.0685

■ 66.2635, 70.2479,
86.4111

Harmonies

Analogous

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



12.9996, 16.1343, 81.7030



19.7195, 16.1343, 78.4188



26.8335, 16.1343, 53.6256

Triad

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



19.7195, 16.1343, 78.4188



25.2121, 16.1343, 2.0345



6.0227, 16.1343, 11.4107

Complementary

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



19.7195, 16.1343, 78.4188



40.7475, 32.0926, 4.0485

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.



7.7046, 16.1343, 2.9129



19.7195, 16.1343, 78.4188



17.9349, 16.1343, 0.5894

Square

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



19.7195, 16.1343, 78.4188



30.5749, 16.1343, 8.3822



11.6542, 16.1343, 0.7620



6.2492, 16.1343, 31.7888

Rectangle

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



19.7195, 16.1343, 78.4188



30.2623, 16.1343, 34.1585



11.6542, 16.1343, 0.7620



6.3586, 16.1343, 7.4666

Sweetspot

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



19.7203, 16.1347, 78.4193



60.4307, 64.5555, 103.8832



32.4804, 59.1631, 28.6972



12.1156, 12.9356, 22.1082



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.



19.7203, 16.1347, 78.4193



24.3502, 19.8203, 97.1501



14.6637, 5.8777, 76.7060



14.1224, 14.9663, 18.2888



11.0683, 9.1987, 43.5753



0.9098, 0.8636, 3.2507

Inverse Universe

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



35.8810, 18.1978, 15.2571



44.4200, 22.5320, 18.6758



59.6810, 73.6040, 11.0631



14.6494, 14.4769, 16.3541



19.9803, 10.1263, 8.7910



1.5229, 0.7669, 0.8939

Previews

White Background



This preview shows how the XYZ color 19.7195, 16.1343, 78.4188 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 19.7195, 16.1343, 78.4188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

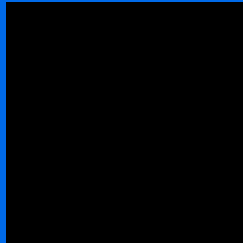
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

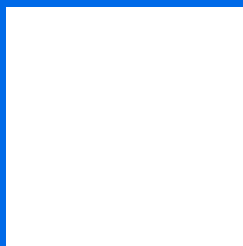
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7195, 16.1343, 78.4188

Background



This preview shows how black text looks on a background with the XYZ color 19.7195, 16.1343, 78.4188.



This preview shows how white text looks on a background with the XYZ color 19.7195, 16.1343,

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

19.7195, 16.1343, 78.4188

Protanopia

19.2613, 16.1168, 75.4945

Deuteranopia

15.9811, 16.0201, 54.4745



Tritanopia

11.3044, 16.0540, 23.9757

Trichromacy



Original Color

19.7195, 16.1343, 78.4188

Protanomaly

19.4006, 16.1725, 76.2278

Deuteranomaly

17.1931, 15.9723, 62.4984

Tritanomaly

13.4292, 15.5497, 39.3394

Monochromacy



Original Color

19.7195, 16.1343, 78.4188

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.5873, 10.9774, 26.7601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7195, 16.1343, 78.4188 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, 106, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 106, 232)  
}
```

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, 106, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 106, 232) }
```

Border

The CSS property to change the border of an element to XYZ 19.7195, 16.1343, 78.4188 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, 106, 232) }
```


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

```
.border{ border-color:rgb(0, 106, 232) }
```

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

Here you see how a box with a 4 pixel rgb(0, 106, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 106, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 106, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 106,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7195, 16.1343, 78.4188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 106, 232) }
```

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

```
.background{ background-color: rgb(0, 106,  
232) }
```

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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