

Converting Colors

XYZ(19.8620, 16.1913, 79.1692)

Have a look what the booklet for
XYZ(19.8620, 16.1913, 79.1692)
contains.

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Color

**XYZ(19.8620, 16.1913,
79.1692)**

Conversions

Conversions Part 1

Format	Color
Hex	006AE9
RGB	0, 106, 233
RGB Percent	0%, 42%, 91%
CMY	0.9998, 0.5843, 0.0863
CMYK	1.00, 0.55, 0.00, 0.09
HSL	213°, 100%, 46%
HSV	213°, 100%, 91%
XYZ	19.8620, 16.1913, 79.1692
YIQ	88.7840, -103.9430, 17.0250

Conversions

Conversions Part 2

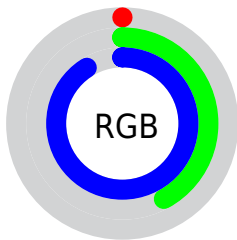
Format	Color
RYB	0, 73, 233
Decimal	27369
CIELab	47.22, 24.19, -70.84
CIELCh	47, 74.853, 288.855
Yxy	16.1913, 0.1724, 0.1405
Android (android.graphics.Color)	4278217449 (0xFF006AE9)
YUV	88.7840, 71.0985, -77.8636
Hunter-Lab	40.2384, 17.6918, -88.4864

Details

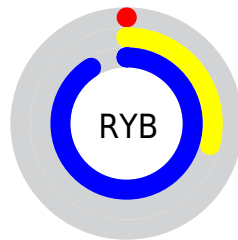
The XYZ color **19.8620, 16.1913, 79.1692** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **41.2018, 32.5178, 4.1067**, and the grayscale version is **9.3167, 9.8019, 10.6742**.

A 20% lighter version of the original color is **36.0019, 34.1227, 99.2966**, and **9.4523, 6.3663, 41.8049** is the 20% darker color. If you saturate the color by 10%, you get **19.8588, 16.1848, 79.1685**, and if you desaturate by 10%, it is **21.6312, 19.1928, 79.6557**.

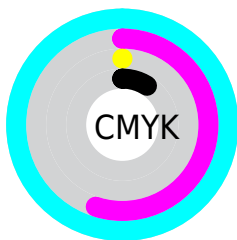
Distribution



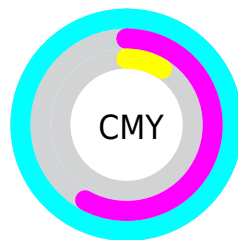
- Red (0%)
- Green (42%)
- Blue (91%)



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



- Cyan (100%)
- Magenta (55%)
- Yellow (0%)
- Black (9%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8620, 16.1913, 79.1692 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 19.8620, 16.1913, 79.1692 by changing the saturation by 10% instead.

■ 19.8620, 16.1913,
79.1692

■ 19.8620, 16.1913,
79.1692

244.0149,
230.4679, 511.7613

■ 12.4025, 9.6596,
58.5128

■ 42.6914, 36.9300,
133.9979

■ 7.0925, 5.1739,
41.8036

■ 58.7920, 51.9058,
169.0072

■ 3.5669, 2.3496,
28.6231

■ 78.5036, 70.4651,
209.6379

■ 1.4601, 0.7998,
18.5528

■ 102.1916, 92.9923,
256.3086

■ 0.2985, 0.0000,
11.1741

■ 130.2214,
119.8718, 309.4377

■ 0.0000, 0.0000,
6.0684

162.9583,

■ 0.0000, 0.0000,

151.4879, 369.4438

2.8172

200.7677,
188.2252, 436.7455

■ 0.0000, 0.0000,
1.0021

■ 0.0000, 0.0000,
0.0000

■ 19.8620, 16.1913,
79.1692

■ 19.8620, 16.1913,
79.1692

■ 19.8588, 16.1848,
79.1685

■ 21.6312, 19.1928,
79.6557

■ 24.0357, 22.8215,
80.2294

■ 27.2207, 27.1636,
80.8996

■ 31.2738, 32.2746,
81.6726

■ 36.2692, 38.2030,
82.5536

■ 42.2724, 44.9923,
83.5476

■ 49.3426, 52.6821,
84.6593

■ 57.5342, 61.3094,
85.8928

■ 66.8974, 70.9088,
87.2521

Harmonies

Analogous

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



13.0660, 16.1913, 82.6594



19.8620, 16.1913, 79.1692



27.0500, 16.1913, 53.9474

Triad

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



19.8620, 16.1913, 79.1692



25.3317, 16.1913, 1.9853



5.9993, 16.1913, 11.5002

Complementary

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



19.8620, 16.1913, 79.1692



41.2018, 32.5178, 4.1067

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.



7.6790, 16.1913, 2.9043



19.8620, 16.1913, 79.1692



17.9729, 16.1913, 0.5579

Square

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



19.8620, 16.1913, 79.1692



30.7794, 16.1913, 8.3047



11.6442, 16.1913, 0.7401



6.2379, 16.1913, 32.1635

Rectangle

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



19.8620, 16.1913, 79.1692



30.5050, 16.1913, 34.2434



11.6442, 16.1913, 0.7401



6.3333, 16.1913, 7.5060

Sweetspot

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



19.8628, 16.1917, 79.1697



60.3928, 64.4798, 103.8705



32.7965, 59.7412, 28.9691



12.1066, 12.9178, 22.1052



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.



19.8628, 16.1917, 79.1697



24.2924, 19.7047, 97.1308



14.8066, 5.9350, 77.4564



14.7955, 15.6774, 19.1685



11.3887, 9.4244, 44.9618



0.9893, 0.9301, 3.5623

Inverse Universe

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



36.2066, 18.3656, 15.2723



44.3909, 22.5203, 18.5222



60.2643, 74.3238, 11.1713



15.3503, 15.1680, 17.1301



20.6038, 10.4442, 8.9809



1.6659, 0.8393, 0.9578

Previews

White Background



This preview shows how the XYZ color 19.8620, 16.1913, 79.1692 looks on a white background.

Color Contrast Check

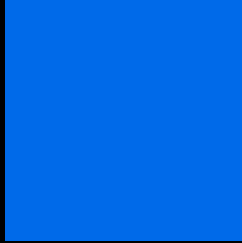
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8620, 16.1913, 79.1692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

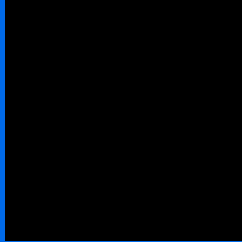
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

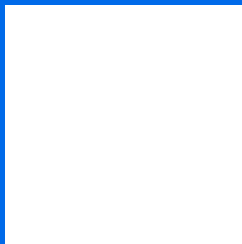
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.8620, 16.1913, 79.1692

Background



This preview shows how black text looks on a background with the XYZ color 19.8620, 16.1913, 79.1692.



This preview shows how white text looks on a background with the XYZ color 19.8620, 16.1913,

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

19.8620, 16.1913, 79.1692

Protanopia

19.2613, 16.1168, 75.4945

Deuteranopia

16.0954, 16.0658, 55.0760



Tritanopia

11.3044, 16.0540, 23.9757

Trichromacy



Original Color

19.8620, 16.1913, 79.1692

Protanomaly

19.5406, 16.2286, 76.9654

Deuteranomaly

17.3173, 16.0220, 63.1526

Tritanomaly

13.4292, 15.5497, 39.3394

Monochromacy



Original Color

19.8620, 16.1913, 79.1692

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 19.8620, 16.1913, 79.1692 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, 233)` looks like.

```
.text, #text, p{  
    color:rgb(0, 106, 233)  
}
```

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, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 106, 233) }
```

Border

The CSS property to change the border of an element to XYZ 19.8620, 16.1913, 79.1692 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, 233) }
```


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

```
.border{ border-color:rgb(0, 106, 233) }
```

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, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 106, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 106, 233);  
box-shadow:4px 4px 4px 4px rgb(0, 106,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8620, 16.1913, 79.1692 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, 233) }
```

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

```
.background{ background-color: rgb(0, 106,  
233) }
```

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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