

Converting Colors

XYZ(16.4271, 14.9911, 76.2039)

Have a look what the booklet for
XYZ(16.4271, 14.9911, 76.2039)
contains.

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Color

**XYZ(19.6115, 16.5944,
76.2981)**

Conversions

Conversions Part 1

Format	Color
Hex	006DE5
RGB	0, 109, 229
RGB Percent	0%, 43%, 90%
CMY	0.9998, 0.5725, 0.1020
CMYK	1.00, 0.52, 0.00, 0.10
HSL	211°, 100%, 45%
HSV	211°, 100%, 90%
XYZ	19.6115, 16.5944, 76.2981
YIQ	90.0890, -103.4840, 14.2120

Conversions

Conversions Part 2

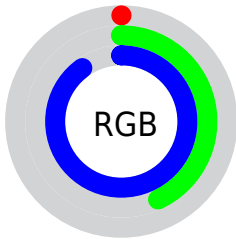
Format	Color
RYB	0, 74, 229
Decimal	28133
CIELab	47.74, 20.69, -67.74
CIElCh	48, 70.829, 286.988
Yxy	16.5944, 0.1743, 0.1475
Android (android.graphics.Color)	4278218213 (0xFF006DE5)
YUV	90.0890, 68.4831, -79.0081
Hunter-Lab	40.7362, 14.6462, -82.5336

Details

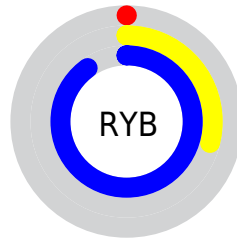
The XYZ color **19.6115, 16.5944, 76.2981** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **39.0376, 30.1063, 3.7554**, and the grayscale version is **9.6105, 10.1110, 11.0109**.

A 20% lighter version of the original color is **36.5647, 35.4258, 99.5184**, and **9.2239, 6.5336, 39.8047** is the 20% darker color. If you saturate the color by 10%, you get **19.6081, 16.5875, 76.2974**, and if you desaturate by 10%, it is **21.3332, 19.5144, 76.7714**.

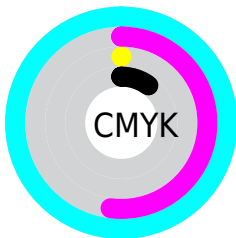
Distribution



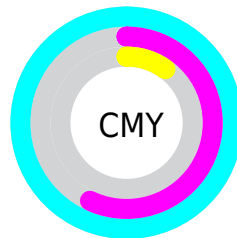
- Red (0%)
- Green (43%)
- Blue (90%)



- Red (0%)
- Yellow (29%)
- Blue (90%)



- Cyan (100%)
- Magenta (52%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (57%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6115, 16.5944, 76.2981 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 19.6115, 16.5944, 76.2981 by changing the saturation by 10% instead.

■ 19.6115, 16.5944,
76.2981

■ 19.6115, 16.5944,
76.2981

242.6780,
232.8241, 501.7415

■ 12.2196, 9.9457,
56.1689

■ 42.2738, 37.6271,
129.9121

■ 6.9667, 5.3630,
39.9334

■ 58.2749, 52.7799,
164.2340

■ 3.4874, 2.4618,
27.1732

■ 77.8764, 71.5362,
204.1239

■ 1.4164, 0.8574,
17.4698

■ 101.4437, 94.2804,
250.0002

■ 0.2679, 0.0000,
10.4045

■ 129.3422,
121.3969, 302.2816

■ 0.0000, 0.0000,
5.5589

161.9371,

■ 0.0000, 0.0000,

153.2701, 361.3866

2.5143

199.5939,
190.2843, 427.7337

■ 0.0000, 0.0000,
0.8477

■ 0.0000, 0.0000,
0.0000

■ 19.6115, 16.5944,
76.2981

■ 19.6115, 16.5944,
76.2981

■ 19.6081, 16.5875,
76.2974

■ 21.3332, 19.5144,
76.7714

■ 23.6519, 23.0116,
77.3242

■ 26.7072, 27.1675,
77.9654

■ 30.5821, 32.0335,
78.7004

■ 35.3468, 37.6545,
79.5342

■ 41.0633, 44.0705,
80.4713

■ 47.7878, 51.3183,
81.5159

■ 55.5715, 59.4319,
82.6717

■ 64.4622, 68.4433,
83.9425

Harmonies

Analogous

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



13.1825, 16.5944, 77.9490



19.6115, 16.5944, 76.2981



26.4783, 16.5944, 53.9086

Triad

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



19.6115, 16.5944, 76.2981



25.6419, 16.5944, 2.6712



6.6231, 16.5944, 11.2894

Complementary

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



19.6115, 16.5944, 76.2981



39.0376, 30.1063, 3.7554

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.



8.4290, 16.5944, 3.1797



19.6115, 16.5944, 76.2981



18.6812, 16.5944, 0.9305

Square

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



19.6115, 16.5944, 76.2981



30.5500, 16.5944, 9.6631



12.4703, 16.5944, 1.0204



6.7467, 16.5944, 30.3176

Rectangle

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



19.6115, 16.5944, 76.2981



29.8739, 16.5944, 35.4536



12.4703, 16.5944, 1.0204



6.9987, 16.5944, 7.5640

Sweetspot

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



19.6123, 16.5948, 76.2986



60.8004, 65.2950, 104.0064



31.3109, 57.3556, 26.6683



12.2027, 13.1098, 22.1372



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.



19.6123, 16.5948, 76.2986



24.9286, 20.9773, 97.3429



14.1921, 5.6835, 74.4782



14.1457, 15.0128, 18.2965



11.3297, 9.7216, 43.6625



0.9297, 0.9034, 3.2573

Inverse Universe

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



35.0743, 17.7636, 16.0480



44.7120, 22.6488, 20.2134



59.1288, 72.0763, 10.7975



14.6611, 14.4816, 16.4159



20.1122, 10.1791, 9.4860



1.5329, 0.7709, 0.9468

Previews

White Background



This preview shows how the XYZ color 19.6115, 16.5944, 76.2981 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 19.6115, 16.5944, 76.2981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

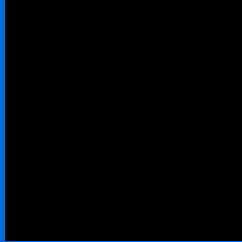
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

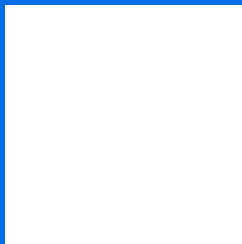
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.6115, 16.5944, 76.2981

Background



This preview shows how black text looks on a background with the XYZ color 19.6115, 16.5944, 76.2981.



This preview shows how white text looks on a background with the XYZ color 19.6115, 16.5944,

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

19.6115, 16.5944, 76.2981

Protanopia

19.9882, 16.7886, 76.3158

Deuteranopia

16.5561, 16.4316, 56.9426



Tritanopia

11.5673, 16.3607, 24.7386

Trichromacy



Original Color

19.6115, 16.5944, 76.2981

Protanomaly

19.8085, 16.6960, 76.3074

Deuteranomaly

17.6630, 16.5134, 63.8845

Tritanomaly

13.6647, 16.0208, 39.4179

Monochromacy



Original Color

19.6115, 16.5944, 76.2981

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.7698, 11.3423, 26.8210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6115, 16.5944, 76.2981 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, 109, 229)` looks like.

```
.text, #text, p{  
    color:rgb(0, 109, 229)  
}
```

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, 109, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 229) }
```

Border

The CSS property to change the border of an element to XYZ 19.6115, 16.5944, 76.2981 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, 109, 229) }
```


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

```
.border{ border-color:rgb(0, 109, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 109, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 109, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 109, 229);  
box-shadow:4px 4px 4px 4px rgb(0, 109,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6115, 16.5944, 76.2981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 109, 229) }
```

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

```
.background{ background-color: rgb(0, 109,  
229) }
```

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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