

Converting Colors

XYZ(11.7767, 11.9271, 62.8976)

Have a look what the booklet for
XYZ(11.7767, 11.9271, 62.8976)
contains.

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Color

**XYZ(16.4831, 14.3536,
62.8745)**

Conversions

Conversions Part 1

Format	Color
Hex	0067D2
RGB	0, 103, 210
RGB Percent	0%, 40%, 82%
CMY	0.9998, 0.5961, 0.1765
CMYK	1.00, 0.51, 0.00, 0.18
HSL	211°, 100%, 41%
HSV	211°, 100%, 82%
XYZ	16.4831, 14.3536, 62.8745
YIQ	84.4010, -95.7350, 11.4410

Conversions

Conversions Part 2

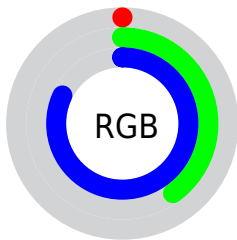
Format	Color
RYB	0, 69, 210
Decimal	26578
CIELab	44.74, 17.04, -61.83
CIELCh	45, 64.133, 285.405
Yxy	14.3536, 0.1759, 0.1532
Android (android.graphics.Color)	4278216658 (0xFF0067D2)
YUV	84.4010, 61.9203, -74.0197
Hunter-Lab	37.8861, 11.3591, -71.8753

Details

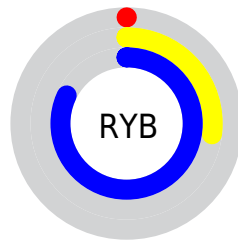
The XYZ color **16.4831, 14.3536, 62.8745** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **31.8419, 24.2280, 2.9997**, and the grayscale version is **8.4031, 8.8407, 9.6275**.

A 20% lighter version of the original color is **34.8081, 32.7692, 99.0982**, and **7.3795, 5.2928, 31.6430** is the 20% darker color. If you saturate the color by 10%, you get **16.4806, 14.3484, 62.8740**, and if you desaturate by 10%, it is **17.9271, 16.7808, 63.2673**.

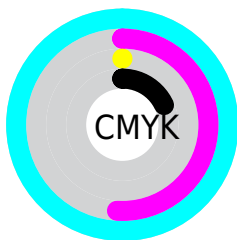
Distribution



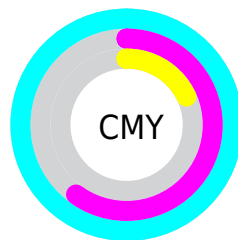
- Red (0%)
- Green (40%)
- Blue (82%)



- Red (0%)
- Yellow (27%)
- Blue (82%)



- Cyan (100%)
- Magenta (51%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (60%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4831, 14.3536, 62.8745 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 16.4831, 14.3536, 62.8745 by changing the saturation by 10% instead.

■ 16.4831, 14.3536,
62.8745

■ 16.4831, 14.3536,
62.8745

225.3905,
219.4196, 453.2093

■ 9.9597, 8.3670,
45.2993

■ 36.9856, 33.7151,
110.5723

■ 5.4343, 4.3307,
31.3486

■ 51.6954, 47.8589,
141.5319

■ 2.5416, 1.8602,
20.6038

■ 69.8646, 65.4904,
177.7902

■ 0.9163, 0.5243,
12.6463

■ 91.8587, 86.9942,
219.7656

■ 0.0000, 0.0000,
7.0576

■ 118.0430,
112.7547, 267.8767

■ 0.0000, 0.0000,
3.4191

148.7828,

■ 0.0000, 0.0000,

143.1561, 322.5419

1.3124

184.4435,
178.5830, 384.1800

■ 0.0000, 0.0000,
0.0719

■ 0.0000, 0.0000,
0.0000

■ 16.4831, 14.3536,
62.8745

■ 16.4831, 14.3536,
62.8745

■ 16.4806, 14.3484,
62.8740

■ 17.9271, 16.7808,
63.2673

■ 19.8484, 19.6636,
63.7224

■ 22.3651, 23.0697,
64.2472

■ 25.5434, 27.0398,
64.8460

■ 29.4394, 31.6091,
65.5226

■ 34.1030, 36.8093,
66.2806

■ 39.5790, 42.6694,
67.1231

■ 45.9086, 49.2161,
68.0531

■ 53.1300, 56.4747,
69.0735

Harmonies

Analogous

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



11.2688, 14.3536, 63.1404



16.4831, 14.3536, 62.8745



22.1002, 14.3536, 45.7009

Triad

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



16.4831, 14.3536, 62.8745



21.9624, 14.3536, 2.8022



6.0583, 14.3536, 9.4520

Complementary

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



16.4831, 14.3536, 62.8745



31.8419, 24.2280, 2.9997

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.



7.6761, 14.3536, 2.8944



16.4831, 14.3536, 62.8745



16.3284, 14.3536, 1.0562

Square

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



16.4831, 14.3536, 62.8745



25.7716, 14.3536, 9.1746



11.1489, 14.3536, 1.0737



6.0796, 14.3536, 24.5645

Rectangle

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



16.4831, 14.3536, 62.8745



24.9410, 14.3536, 30.8854



11.1489, 14.3536, 1.0737



6.4059, 14.3536, 6.4648

Sweetspot

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



16.4838, 14.3540, 62.8749



61.0839, 65.8620, 104.1009



25.5985, 47.1142, 21.1163



12.2695, 13.2435, 22.1595



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.



16.4838, 14.3540, 62.8749



25.3886, 21.8972, 97.4962



11.6341, 4.6546, 61.2583



11.6354, 12.3611, 15.0163



10.1530, 8.9526, 38.3854



0.6470, 0.6592, 2.1727

Inverse Universe

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



29.0272, 14.6821, 14.1360



44.9442, 22.7417, 21.4360



49.6255, 59.7953, 8.9276



12.0469, 11.9035, 13.5227



17.7555, 8.9750, 8.8845



1.0328, 0.5178, 0.7076

Previews

White Background



This preview shows how the XYZ color 16.4831, 14.3536, 62.8745 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 16.4831, 14.3536, 62.8745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

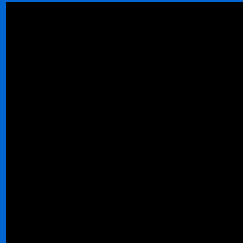
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4831, 14.3536, 62.8745

Background



This preview shows how black text looks on a background with the XYZ color 16.4831, 14.3536, 62.8745.



This preview shows how white text looks on a background with the XYZ color 16.4831, 14.3536,

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

16.4831, 14.3536, 62.8745

Protanopia

17.0229, 14.4995, 62.2231

Deuteranopia

14.3322, 14.3130, 49.0210

Trichromacy



Original Color

16.4831, 14.3536, 62.8745

Protanomaly

16.6367, 14.3004, 62.2050

Deuteranomaly

15.0044, 14.2482, 53.5891

Monochromacy



Original Color

16.4831, 14.3536, 62.8745

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

9.2385, 9.8508, 22.5336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4831, 14.3536, 62.8745 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, 103, 210)` looks like.

```
.text, #text, p{  
    color:rgb(0, 103, 210)  
}
```

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, 103, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 103, 210) }
```

Border

The CSS property to change the border of an element to XYZ 16.4831, 14.3536, 62.8745 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, 103, 210) }
```

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

```
.border{ border-color:rgb(0, 103, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 103, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 103, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 103, 210);  
box-shadow:4px 4px 4px 4px rgb(0, 103,  
210) }
```


Background

The CSS property to change the background color of an element to XYZ 16.4831, 14.3536, 62.8745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 103, 210) }
```

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

```
.background{ background-color: rgb(0, 103,  
210) }
```

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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