

Converting Colors

XYZ(19.2499, 16.8855, 73.0504)

Have a look what the booklet for
XYZ(19.2499, 16.8855, 73.0504)
contains.

XYZ(19.2487, 16.9702, 72.7821)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.2487, 16.9702,
72.7821)**

Conversions

Conversions Part 1

Format	Color
Hex	0070E0
RGB	0, 112, 224
RGB Percent	0%, 44%, 88%
CMY	0.9998, 0.5608, 0.1216
CMYK	1.00, 0.50, 0.00, 0.12
HSL	210°, 100%, 44%
HSV	210°, 100%, 88%
XYZ	19.2487, 16.9702, 72.7821
YIQ	91.2800, -102.7040, 11.0880

Conversions

Conversions Part 2

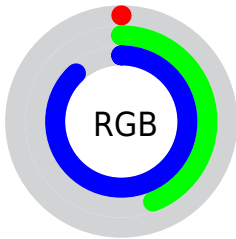
Format	Color
RYB	0, 75, 224
Decimal	28896
CIELab	48.22, 16.80, -64.14
CIElCh	48, 66.307, 284.679
Yxy	16.9702, 0.1766, 0.1557
Android (android.graphics.Color)	4278218976 (0xFF0070E0)
YUV	91.2800, 65.4310, -80.0526
Hunter-Lab	41.1949, 11.3147, -75.9156

Details

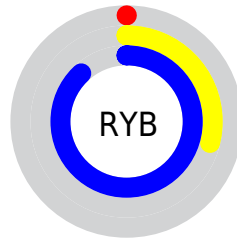
The XYZ color **19.2487, 16.9702, 72.7821** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **36.5409, 27.4475, 3.3735**, and the grayscale version is **9.8839, 10.3987, 11.3241**.

A 20% lighter version of the original color is **36.8561, 36.3574, 99.6829**, and **9.0161, 6.7236, 37.8684** is the 20% darker color. If you saturate the color by 10%, you get **19.2460, 16.9645, 72.7816**, and if you desaturate by 10%, it is **20.9038, 19.7740, 73.2365**.

Distribution



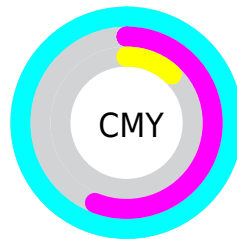
- Red (0%)
- Green (44%)
- Blue (88%)



- Red (0%)
- Yellow (29%)
- Blue (88%)



- Cyan (100%)
- Magenta (50%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (56%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2487, 16.9702, 72.7821 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 19.2487, 16.9702, 72.7821 by changing the saturation by 10% instead.

■ 19.2487, 16.9702,
72.7821

■ 19.2487, 16.9702,
72.7821

240.7301,
235.0006, 489.3098

■ 11.9552, 10.2132,
53.3071

■ 41.6676, 38.2745,
124.8859

■ 6.7852, 5.5406,
37.6586

■ 57.5236, 53.5907,
158.3517

■ 3.3732, 2.5678,
25.4180

■ 76.9646, 72.5287,
197.3182

■ 1.3541, 0.9105,
16.1669

■ 100.3558, 95.4730,
242.2039

■ 0.2231, 0.0000,
9.4867

■ 128.0626,
122.8079, 293.4274

■ 0.0000, 0.0000,
4.9589

160.4503,

■ 0.0000, 0.0000,

154.9179, 351.4072

2.1648

197.8844,
192.1873, 416.5618

■ 0.0000, 0.0000,
0.6540

■ 0.0000, 0.0000,
0.0000

■ 19.2487, 16.9702,
72.7821

■ 19.2487, 16.9702,
72.7821

■ 19.2460, 16.9645,
72.7816

■ 20.9038, 19.7740,
73.2365

■ 23.1116, 23.0990,
73.7619

■ 26.0054, 27.0213,
74.3665

■ 29.6624, 31.5882,
75.0552

■ 34.1486, 36.8404,
75.8326

■ 39.5220, 42.8145,
76.7025

■ 45.8349, 49.5438,
77.6686

■ 53.1354, 57.0594,
78.7345

■ 61.4680, 65.3902,
79.9033

Harmonies

Analogous

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



13.2569, 16.9702, 72.5424



19.2487, 16.9702, 72.7821



25.7291, 16.9702, 53.5576

Triad

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



19.2487, 16.9702, 72.7821



25.8546, 16.9702, 3.5855



7.3346, 16.9702, 11.0214

Complementary

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



19.2487, 16.9702, 72.7821



36.5409, 27.4475, 3.3735

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.



9.2754, 16.9702, 3.4982



19.2487, 16.9702, 72.7821



19.3901, 16.9702, 1.3931

Square

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



19.2487, 16.9702, 72.7821



30.1407, 16.9702, 11.2778



13.3672, 16.9702, 1.3760



7.3147, 16.9702, 28.2305

Rectangle

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



19.2487, 16.9702, 72.7821



29.0390, 16.9702, 36.6209



13.3672, 16.9702, 1.3760



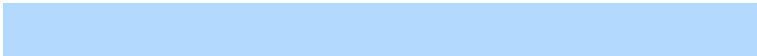
7.7573, 16.9702, 7.6063

Sweetspot

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



19.2495, 16.9706, 72.7826



61.2712, 66.2366, 104.1633



29.5826, 54.4824, 24.2940



12.3138, 13.3320, 22.1743



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.



19.2495, 16.9706, 72.7826



25.7003, 22.5205, 97.6001



13.4559, 5.3833, 70.8514



13.5153, 14.3697, 17.4490



11.3175, 10.1046, 42.4022



0.8740, 0.8795, 2.9689

Inverse Universe

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



33.6659, 17.0184, 16.8399



45.1015, 22.8046, 22.2644



57.3968, 69.1592, 10.3254



13.9916, 13.8143, 15.7257



19.6528, 9.9281, 10.1032



1.4074, 0.7062, 0.9383

Previews

White Background



This preview shows how the XYZ color 19.2487, 16.9702, 72.7821 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 19.2487, 16.9702, 72.7821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

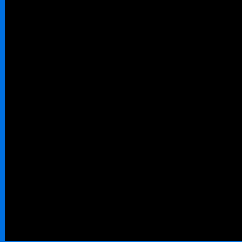
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.2487, 16.9702, 72.7821

Background



This preview shows how black text looks on a background with the XYZ color 19.2487, 16.9702, 72.7821.



This preview shows how white text looks on a background with the XYZ color 19.2487, 16.9702,

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

19.2487, 16.9702, 72.7821

Protanopia

19.8875, 17.0066, 71.3417

Deuteranopia

17.1408, 17.0344, 58.8845



Tritanopia

11.9625, 16.9280, 25.5586

Trichromacy



Original Color

19.2487, 16.9702, 72.7821

Protanomaly

19.5104, 16.9578, 72.0569

Deuteranomaly

17.8886, 16.9646, 63.9597

Tritanomaly

13.9346, 16.7091, 39.0500

Monochromacy



Original Color

19.2487, 16.9702, 72.7821

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.8670, 11.6873, 26.1092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2487, 16.9702, 72.7821 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, 112, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 224)  
}
```

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, 112, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 224) }
```

Border

The CSS property to change the border of an element to XYZ 19.2487, 16.9702, 72.7821 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, 112, 224) }
```


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

```
.border{ border-color:rgb(0, 112, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 112, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 112,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2487, 16.9702, 72.7821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 224) }
```

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

```
.background{ background-color: rgb(0, 112,  
224) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor