

Converting Colors

XYZ(10.6933, 13.2271, 71.9487)

Have a look what the booklet for
XYZ(10.6933, 13.2271, 71.9487)
contains.

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Color

**XYZ(19.5647, 17.8185,
72.2202)**

Conversions

Conversions Part 1

Format	Color
Hex	0074DF
RGB	0, 116, 223
RGB Percent	0%, 45%, 87%
CMY	0.9998, 0.5451, 0.1255
CMYK	1.00, 0.48, 0.00, 0.13
HSL	209°, 100%, 44%
HSV	209°, 100%, 87%
XYZ	19.5647, 17.8185, 72.2202
YIQ	93.5140, -103.4830, 8.6850

Conversions

Conversions Part 2

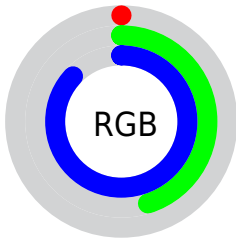
Format	Color
RYB	0, 76, 223
Decimal	29919
CIELab	49.28, 13.86, -61.88
CIELCh	49, 63.410, 282.628
Yxy	17.8185, 0.1785, 0.1626
Android (android.graphics.Color)	4278219999 (0xFF0074DF)
YUV	93.5140, 63.8366, -82.0118
Hunter-Lab	42.2120, 8.8615, -71.8905

Details

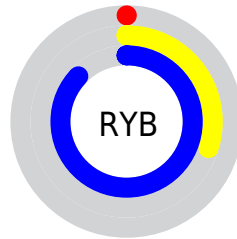
The XYZ color **19.5647, 17.8185, 72.2202** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **35.6958, 26.2159, 3.1805**, and the grayscale version is **10.4015, 10.9432, 11.9171**.

A 20% lighter version of the original color is **37.5776, 37.8005, 99.9234**, and **9.1032, 7.0463, 37.4395** is the 20% darker color. If you saturate the color by 10%, you get **19.5616, 17.8121, 72.2196**, and if you desaturate by 10%, it is **21.2093, 20.6046, 72.6717**.

Distribution



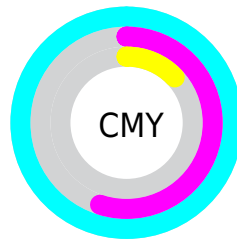
- Red (0%)
- Green (45%)
- Blue (87%)



- Red (0%)
- Yellow (30%)
- Blue (87%)



- Cyan (100%)
- Magenta (48%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (55%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5647, 17.8185, 72.2202 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 19.5647, 17.8185, 72.2202 by changing the saturation by 10% instead.

■ 19.5647, 17.8185,
72.2202

■ 19.5647, 17.8185,
72.2202

242.4275,
239.8460, 487.3058

■ 12.1854, 10.8198,
52.8506

■ 42.1957, 39.7278,
124.0802

■ 6.9432, 5.9458,
37.2966

■ 58.1781, 55.4072,
157.4077

■ 3.4726, 2.8121,
25.1397

■ 77.7590, 74.7489,
196.2249

■ 1.4083, 1.0345,
15.9612

■ 101.3037, 98.1373,
240.9504

■ 0.2622, 0.0000,
9.3426

■ 129.1775,
125.9568, 292.0027

■ 0.0000, 0.0000,
4.8655

161.7459,

■ 0.0000, 0.0000,

158.5918, 349.8003

2.1112

199.3741,
196.4268, 414.7618

■ 0.0000, 0.0000,
0.6224

■ 0.0000, 0.0000,
0.0000

■ 19.5647, 17.8185,
72.2202

■ 19.5647, 17.8185,
72.2202

■ 19.5616, 17.8121,
72.2196

■ 21.2093, 20.6046,
72.6717

■ 23.3901, 23.8849,
73.1900

■ 26.2383, 27.7336,
73.7827

■ 29.8299, 32.1960,
74.4547

■ 34.2293, 37.3114,
75.2102

■ 39.4936, 43.1149,
76.0530

■ 45.6739, 49.6384,
76.9864

■ 52.8172, 56.9115,
78.0138

■ 60.9671, 64.9620,
79.1381

Harmonies

Analogous

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



13.7420, 17.8185, 70.5459



19.5647, 17.8185, 72.2202



25.9346, 17.8185, 54.9146

Triad

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



19.5647, 17.8185, 72.2202



26.8352, 17.8185, 4.5887



8.1897, 17.8185, 11.1648

Complementary

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



19.5647, 17.8185, 72.2202



35.6958, 26.2159, 3.1805

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.



10.3045, 17.8185, 3.8931



19.5647, 17.8185, 72.2202



20.5900, 17.8185, 1.9165

Square

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



19.5647, 17.8185, 72.2202



30.7471, 17.8185, 13.0787



14.5539, 17.8185, 1.7703



8.0395, 17.8185, 27.4902

Rectangle

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



19.5647, 17.8185, 72.2202



29.2755, 17.8185, 38.7217



14.5539, 17.8185, 1.7703



8.6667, 17.8185, 7.8924

Sweetspot

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



19.5655, 17.8190, 72.2207



61.6702, 67.0345, 104.2963



28.8923, 53.7776, 21.9802



12.4081, 13.5206, 22.2057



0.0000, 0.0000, 0.0000



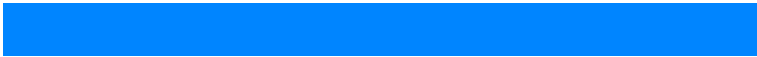
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.5655, 17.8190, 72.2207



26.3847, 23.8894, 97.8282



13.4014, 5.4907, 70.1660



13.5388, 14.4167, 17.4568



11.6158, 10.7011, 42.5017



0.8947, 0.9208, 2.9758

Inverse Universe

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



33.5847, 16.9503, 18.0247



45.4470, 22.9428, 24.0837



54.8776, 64.5795, 9.5744



14.0034, 13.8190, 15.7882



19.8033, 9.9883, 10.8960



1.4179, 0.7104, 0.9933

Previews

White Background



This preview shows how the XYZ color 19.5647, 17.8185, 72.2202 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 19.5647, 17.8185, 72.2202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

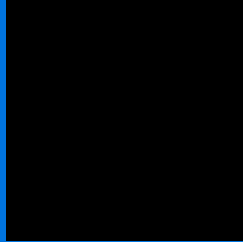
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.5647, 17.8185, 72.2202

Background



This preview shows how black text looks on a background with the XYZ color 19.5647, 17.8185, 72.2202.



This preview shows how white text looks on a background with the XYZ color 19.5647, 17.8185,

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

19.5647, 17.8185, 72.2202

Protanopia

20.6270, 17.9074, 70.0795

Deuteranopia

17.9820, 17.7477, 62.1524



Tritanopia

12.5701, 17.8002, 26.8180

Trichromacy



Original Color

19.5647, 17.8185, 72.2202

Protanomaly

19.8678, 17.6672, 70.7696

Deuteranomaly

18.4887, 17.7610, 65.4045

Tritanomaly

14.4950, 17.5318, 40.1561

Monochromacy



Original Color

19.5647, 17.8185, 72.2202

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.4226, 12.3865, 26.9881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5647, 17.8185, 72.2202 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, 116, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 223)  
}
```

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, 116, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 223) }
```

Border

The CSS property to change the border of an element to XYZ 19.5647, 17.8185, 72.2202 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, 116, 223) }
```


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

```
.border{ border-color:rgb(0, 116, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 116, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 116, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 116, 223); box-shadow:4px 4px 4px 4px rgb(0, 116, 223) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5647, 17.8185, 72.2202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 223) }
```

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

```
.background{ background-color: rgb(0, 116,  
223) }
```

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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