

Converting Colors

XYZ(9.4016, 12.3447, 70.0438)

Have a look what the booklet for
XYZ(9.4016, 12.3447, 70.0438)
contains.

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Color

**XYZ(19.0685, 17.2551,
70.7322)**

Conversions

Conversions Part 1

Format	Color
Hex	0072DD
RGB	0, 114, 221
RGB Percent	0%, 45%, 87%
CMY	0.9998, 0.5529, 0.1333
CMYK	1.00, 0.48, 0.00, 0.13
HSL	209°, 100%, 43%
HSV	209°, 100%, 87%
XYZ	19.0685, 17.2551, 70.7322
YIQ	92.1120, -102.2910, 9.1090

Conversions

Conversions Part 2

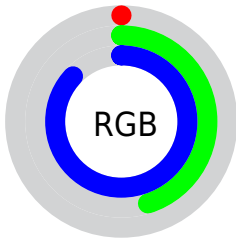
Format	Color
RYB	0, 75, 221
Decimal	29405
CIELab	48.58, 14.34, -61.87
CIELCh	49, 63.510, 283.052
Yxy	17.2551, 0.1781, 0.1612
Android (android.graphics.Color)	4278219485 (0xFF0072DD)
YUV	92.1120, 63.5418, -80.7822
Hunter-Lab	41.5393, 9.2463, -71.8803

Details

The XYZ color **19.0685, 17.2551, 70.7322** 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 **35.0831, 25.9000, 3.1518**, and the grayscale version is **10.0779, 10.6027, 11.5463**.

A 20% lighter version of the original color is **37.0987, 37.0138, 99.7968**, and **8.7987, 6.7309, 36.4328** is the 20% darker color. If you saturate the color by 10%, you get **19.0654, 17.2488, 70.7316**, and if you desaturate by 10%, it is **20.6817, 19.9851, 71.1745**.

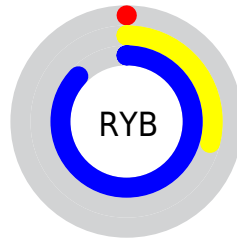
Distribution



Red (0%)

Green (45%)

Blue (87%)



Red (0%)

Yellow (29%)

Blue (87%)

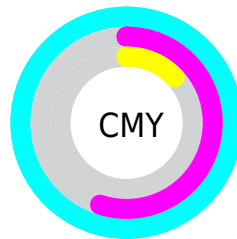


Cyan (100%)

Magenta (48%)

Yellow (0%)

Black (13%)



Cyan (100%)

Magenta (55%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0685, 17.2551, 70.7322 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 19.0685, 17.2551, 70.7322 by changing the saturation by 10% instead.

■ 19.0685, 17.2551,
70.7322

■ 19.0685, 17.2551,
70.7322

239.7575,
236.6382, 481.9751

■ 11.8241, 10.4165,
51.6432

■ 41.3658, 38.7639,
121.9432

■ 6.6954, 5.6760,
36.3405

■ 57.1494, 54.2029,
154.9023

■ 3.3169, 2.6491,
24.4055

■ 76.5101, 73.2774,
193.3219

■ 1.3235, 0.9514,
15.4197

■ 99.8132, 96.3720,
237.6204

■ 0.2007, 0.0000,
8.9646

■ 127.4242,
123.8710, 288.2164

■ 0.0000, 0.0000,
4.6216

159.7083,

■ 0.0000, 0.0000,

156.1587, 345.5285

1.9722

197.0310,
193.6197, 409.9753

■ 0.0000, 0.0000,
0.5381

■ 0.0000, 0.0000,
0.0000

■ 19.0685, 17.2551,
70.7322

■ 19.0685, 17.2551,
70.7322

■ 19.0654, 17.2488,
70.7316

■ 20.6817, 19.9851,
71.1745

■ 22.8218, 23.2032,
71.6829

■ 25.6179, 26.9826,
72.2650

■ 29.1444, 31.3679,
72.9256

■ 33.4645, 36.3978,
73.6688

■ 38.6340, 42.1067,
74.4983

■ 44.7030, 48.5261,
75.4175

■ 51.7176, 55.6852,
76.4296

■ 59.7207, 63.6113,
77.5377

Harmonies

Analogous

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



13.3410, 17.2551, 69.3721



19.0685, 17.2551, 70.7322



25.3193, 17.2551, 53.4326

Triad

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



19.0685, 17.2551, 70.7322



26.0470, 17.2551, 4.2774



7.8354, 17.2551, 10.8882

Complementary

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



19.0685, 17.2551, 70.7322



35.0831, 25.9000, 3.1518

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.



9.8688, 17.2551, 3.7267



19.0685, 17.2551, 70.7322



19.8952, 17.2551, 1.7625

Square

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



19.0685, 17.2551, 70.7322



29.9467, 17.2551, 12.4224



13.9937, 17.2551, 1.6483



7.7154, 17.2551, 27.0239

Rectangle

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



19.0685, 17.2551, 70.7322



28.5804, 17.2551, 37.4478



13.9937, 17.2551, 1.6483



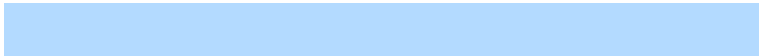
8.2910, 17.2551, 7.6600

Sweetspot

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



19.0693, 17.2556, 70.7327



61.5839, 66.8620, 104.2676



28.5032, 52.7720, 22.5515



12.3877, 13.4798, 22.1989



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.



19.0693, 17.2556, 70.7327



26.2344, 23.5888, 97.7781



13.0926, 5.3021, 68.7404



12.8913, 13.7223, 16.6214



11.1894, 10.2482, 41.1268



0.8111, 0.8363, 2.6931

Inverse Universe

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



32.8569, 16.5884, 17.3898



45.3711, 22.9124, 23.6842



54.7143, 65.1623, 9.6955



13.3350, 13.1631, 15.0253



19.1432, 9.6583, 10.4001



1.2837, 0.6431, 0.9028

Previews

White Background



This preview shows how the XYZ color 19.0685, 17.2551, 70.7322 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 19.0685, 17.2551, 70.7322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

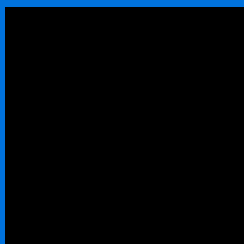
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

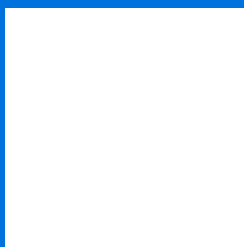
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.0685, 17.2551, 70.7322

Background



This preview shows how black text looks on a background with the XYZ color 19.0685, 17.2551, 70.7322.



This preview shows how white text looks on a background with the XYZ color 19.0685, 17.2551,

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

19.0685, 17.2551, 70.7322

Protanopia

19.9702, 17.2716, 68.6109

Deuteranopia

17.3807, 17.1304, 60.1480



Tritanopia

12.1631, 17.2159, 25.9745

Trichromacy



Original Color

19.0685, 17.2551, 70.7322

Protanomaly

19.3079, 17.0779, 69.2966

Deuteranomaly

18.0033, 17.1939, 63.9979

Tritanomaly

14.0580, 16.9559, 39.0911

Monochromacy



Original Color

19.0685, 17.2551, 70.7322

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.0210, 11.9082, 26.1437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0685, 17.2551, 70.7322 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, 114, 221)` looks like.

```
.text, #text, p{  
    color:rgb(0, 114, 221)  
}
```

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, 114, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 114, 221) }
```

Border

The CSS property to change the border of an element to XYZ 19.0685, 17.2551, 70.7322 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, 114, 221) }
```


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

```
.border{ border-color:rgb(0, 114, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 114, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 114, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 114, 221);  
box-shadow:4px 4px 4px 4px rgb(0, 114,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0685, 17.2551, 70.7322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 114, 221) }
```

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

```
.background{ background-color: rgb(0, 114,  
221) }
```

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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