

Converting Colors

XYZ(19.3338, 17.6040, 71.3808)

Have a look what the booklet for
XYZ(19.3338, 17.6040, 71.3808)
contains.

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Color

**XYZ(19.3156, 17.5354,
71.4739)**

Conversions

Conversions Part 1

Format	Color
Hex	0073DE
RGB	0, 115, 222
RGB Percent	0%, 45%, 87%
CMY	0.9998, 0.5490, 0.1294
CMYK	1.00, 0.48, 0.00, 0.13
HSL	209°, 100%, 44%
HSV	209°, 100%, 87%
XYZ	19.3156, 17.5354, 71.4739
YIQ	92.8130, -102.8870, 8.8970

Conversions

Conversions Part 2

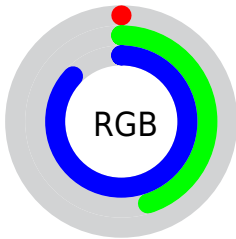
Format	Color
RYB	0, 76, 222
Decimal	29662
CIELab	48.93, 14.10, -61.87
CIElCh	49, 63.460, 282.840
Yxy	17.5354, 0.1783, 0.1619
Android (android.graphics.Color)	4278219742 (0xFF0073DE)
YUV	92.8130, 63.6892, -81.3970
Hunter-Lab	41.8753, 9.0540, -71.8851

Details

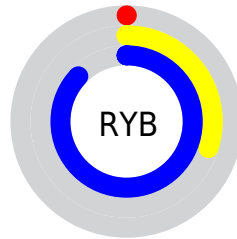
The XYZ color **19.3156, 17.5354, 71.4739** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **35.3888, 26.0579, 3.1662**, and the grayscale version is **10.2391, 10.7723, 11.7310**.

A 20% lighter version of the original color is **37.3951, 37.4355, 99.8626**, and **8.9501, 6.8874, 36.9341** is the 20% darker color. If you saturate the color by 10%, you get **19.3124, 17.5289, 71.4732**, and if you desaturate by 10%, it is **20.9445, 20.2934, 71.9208**.

Distribution



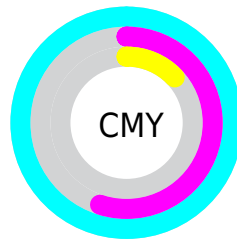
- Red (0%)
- Green (45%)
- Blue (87%)



- 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 19.3156, 17.5354, 71.4739 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 19.3156, 17.5354, 71.4739 by changing the saturation by 10% instead.

■ 19.3156, 17.5354,
71.4739

■ 19.3156, 17.5354,
71.4739

241.0904,
238.2391, 484.6366

■ 12.0039, 10.6170,
52.2448

■ 41.7795, 39.2440,
123.0090

■ 6.8186, 5.8099,
36.8167

■ 57.6624, 54.8030,
156.1521

■ 3.3942, 2.7298,
24.7709

■ 77.1330, 74.0110,
194.7703

■ 1.3655, 0.9924,
15.6890

■ 100.5568, 97.2523,
239.2822

■ 0.2314, 0.0000,
9.1524

■ 128.2991,
124.9114, 290.1062

■ 0.0000, 0.0000,
4.7425

160.7252,

■ 0.0000, 0.0000,

157.3726, 347.6609

2.0409

198.2005,
195.0204, 412.3648

■ 0.0000, 0.0000,
0.5803

■ 0.0000, 0.0000,
0.0000

■ 19.3156, 17.5354,
71.4739

■ 19.3156, 17.5354,
71.4739

■ 19.3124, 17.5289,
71.4732

■ 20.9445, 20.2934,
71.9208

■ 23.1050, 23.5426,
72.4341

■ 25.9271, 27.3567,
73.0216

■ 29.4862, 31.7806,
73.6879

■ 33.8460, 36.8532,
74.4372

■ 39.0628, 42.6094,
75.2733

■ 45.1874, 49.0808,
76.1996

■ 52.2663, 56.2970,
77.2194

■ 60.3427, 64.2852,
78.3356

Harmonies

Analogous

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



13.5406, 17.5354, 69.9575



19.3156, 17.5354, 71.4739



25.6258, 17.5354, 54.1706

Triad

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



19.3156, 17.5354, 71.4739



26.4393, 17.5354, 4.4313



8.0113, 17.5354, 11.0259

Complementary

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



19.3156, 17.5354, 71.4739



35.3888, 26.0579, 3.1662

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.



10.0852, 17.5354, 3.8093



19.3156, 17.5354, 71.4739



20.2408, 17.5354, 1.8385

Square

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



19.3156, 17.5354, 71.4739



30.3453, 17.5354, 12.7479



14.2721, 17.5354, 1.7086



7.8764, 17.5354, 27.2563

Rectangle

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



19.3156, 17.5354, 71.4739



28.9267, 17.5354, 38.0815



14.2721, 17.5354, 1.7086



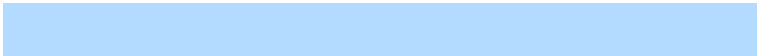
8.4775, 17.5354, 7.7756

Sweetspot

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



19.3164, 17.5359, 71.4744



61.6271, 66.9484, 104.2820



28.6023, 53.2353, 21.7670



12.3979, 13.5002, 22.2023



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.



19.3164, 17.5359, 71.4744



26.3096, 23.7391, 97.8032



13.2666, 5.4363, 69.4578



13.5363, 14.4117, 17.4560



11.5831, 10.6357, 42.4908



0.8924, 0.9163, 2.9751

Inverse Universe

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



33.2196, 16.7688, 17.7056



45.4090, 22.9276, 23.8839



54.3241, 63.9286, 9.4780



14.0021, 13.8185, 15.7815



19.7868, 9.9817, 10.8090



1.4167, 0.7100, 0.9873

Previews

White Background



This preview shows how the XYZ color 19.3156, 17.5354, 71.4739 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 19.3156, 17.5354, 71.4739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

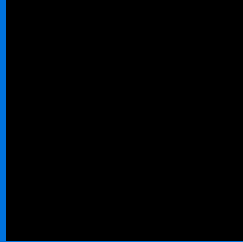
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.3156, 17.5354, 71.4739

Background



This preview shows how black text looks on a background with the XYZ color 19.3156, 17.5354, 71.4739.



This preview shows how white text looks on a background with the XYZ color 19.3156, 17.5354,

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

19.3156, 17.5354, 71.4739

Protanopia

20.2677, 17.5727, 69.3415

Deuteranopia

17.7409, 17.4619, 61.4669



Tritanopia

12.3656, 17.5067, 26.3943

Trichromacy



Original Color

19.3156, 17.5354, 71.4739

Protanomaly

19.5509, 17.3526, 70.0291

Deuteranomaly

18.2450, 17.4760, 64.6990

Tritanomaly

14.2755, 17.2425, 39.6215

Monochromacy



Original Color

19.3156, 17.5354, 71.4739

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.1909, 12.1306, 26.5626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3156, 17.5354, 71.4739 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, 115, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 115, 222)  
}
```

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, 115, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 115, 222) }
```

Border

The CSS property to change the border of an element to XYZ 19.3156, 17.5354, 71.4739 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, 115, 222) }
```


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

```
.border{ border-color:rgb(0, 115, 222) }
```

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

Here you see how a box with a 4 pixel rgb(0, 115, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 115, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 115, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 115,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3156, 17.5354, 71.4739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 115, 222) }
```

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

```
.background{ background-color: rgb(0, 115,  
222) }
```

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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