

Converting Colors

XYZ(17.3084, 16.4646, 72.7485)

Have a look what the booklet for
XYZ(17.3084, 16.4646, 72.7485)
contains.

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Color

**XYZ(19.5853, 17.6433,
72.8942)**

Conversions

Conversions Part 1

Format	Color
Hex	0073E0
RGB	0, 115, 224
RGB Percent	0%, 45%, 88%
CMY	0.9998, 0.5490, 0.1216
CMYK	1.00, 0.49, 0.00, 0.12
HSL	209°, 100%, 44%
HSV	209°, 100%, 88%
XYZ	19.5853, 17.6433, 72.8942
YIQ	93.0410, -103.5290, 9.5190

Conversions

Conversions Part 2

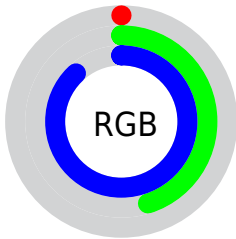
Format	Color
R _{YB}	0, 76, 224
Decimal	29664
CIE _{Lab}	49.06, 14.89, -62.79
CIE _{LCh}	49, 64.529, 283.343
Yxy	17.6433, 0.1778, 0.1602
Android (android.graphics.Color)	4278219744 (0xFF0073E0)
YUV	93.0410, 64.5628, -81.5970
Hunter-Lab	42.0039, 9.7229, -73.4899

Details

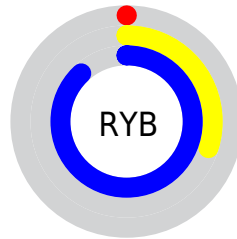
The XYZ color **19.5853, 17.6433, 72.8942** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **36.2159, 26.7975, 3.2653**, and the grayscale version is **10.2899, 10.8258, 11.7893**.

A 20% lighter version of the original color is **37.3951, 37.4355, 99.8626**, and **9.1350, 6.9614, 37.9080** is the 20% darker color. If you saturate the color by 10%, you get **19.5821, 17.6368, 72.8936**, and if you desaturate by 10%, it is **21.2442, 20.4547, 73.3499**.

Distribution



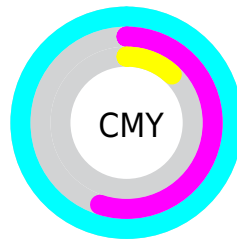
- Red (0%)
- Green (45%)
- Blue (88%)



- Red (0%)
- Yellow (30%)
- Blue (88%)



- Cyan (100%)
- Magenta (49%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (55%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5853, 17.6433, 72.8942 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 19.5853, 17.6433, 72.8942 by changing the saturation by 10% instead.

■ 19.5853, 17.6433,
72.8942

■ 19.5853, 17.6433,
72.8942

242.5377,
238.8527, 489.7090

■ 12.2005, 10.6942,
53.3982

■ 42.2301, 39.4286,
125.0465

■ 6.9535, 5.8616,
37.7308

■ 58.2207, 55.0335,
158.5399

■ 3.4791, 2.7611,
25.4736

■ 77.8107, 74.2926,
197.5361

■ 1.4119, 1.0083,
16.2080

■ 101.3653, 97.5901,
242.4537

■ 0.2647, 0.0000,
9.5155

■ 129.2500,
125.3105, 293.7113

■ 0.0000, 0.0000,
4.9776

161.8301,

■ 0.0000, 0.0000,

157.8381, 351.7273

2.1756

199.4709,
195.5574, 416.9204

■ 0.0000, 0.0000,
0.6602

■ 0.0000, 0.0000,
0.0000

■ 19.5853, 17.6433,
72.8942

■ 19.5853, 17.6433,
72.8942

■ 19.5821, 17.6368,
72.8936

■ 21.2442, 20.4547,
73.3499

■ 23.4487, 23.7728,
73.8741

■ 26.3315, 27.6730,
74.4750

■ 29.9695, 32.2015,
75.1573

■ 34.4282, 37.3984,
75.9254

■ 39.7653, 43.2995,
76.7832

■ 46.0327, 49.9374,
77.7341

■ 53.2781, 57.3425,
78.7816

■ 61.5458, 65.5431,
79.9287

Harmonies

Analogous

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



13.6652, 17.6433, 71.6934



19.5853, 17.6433, 72.8942



26.0358, 17.6433, 54.8158

Triad

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



19.5853, 17.6433, 72.8942



26.6758, 17.6433, 4.2575



7.9442, 17.6433, 11.1882

Complementary

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



19.5853, 17.6433, 72.8942



36.2159, 26.7975, 3.2653

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.



10.0128, 17.6433, 3.7800



19.5853, 17.6433, 72.8942



20.3114, 17.6433, 1.7375

Square

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



19.5853, 17.6433, 72.8942



30.7433, 17.6433, 12.5304



14.2373, 17.6433, 1.6394



7.8394, 17.6433, 27.9222

Rectangle

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



19.5853, 17.6433, 72.8942



29.3886, 17.6433, 38.2542



14.2373, 17.6433, 1.6394



8.4054, 17.6433, 7.8449

Sweetspot

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



19.5861, 17.6438, 72.8947



61.5355, 66.7651, 104.2514



29.3792, 54.4010, 23.2225



12.3762, 13.4569, 22.1951



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.



19.5861, 17.6438, 72.8947



26.1505, 23.4210, 97.7502



13.4965, 5.4645, 70.8648



13.5309, 14.4009, 17.4542



11.5138, 10.4972, 42.4677



0.8876, 0.9068, 2.9735

Inverse Universe

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



33.8358, 17.0865, 17.7344



45.3288, 22.8955, 23.4612



56.4046, 67.1748, 9.9949



13.9994, 13.8174, 15.7672



19.7518, 9.9677, 10.6249



1.4143, 0.7090, 0.9745

Previews

White Background



This preview shows how the XYZ color 19.5853, 17.6433, 72.8942 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 19.5853, 17.6433, 72.8942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

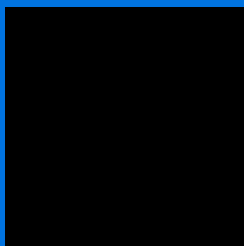
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

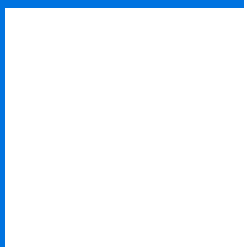
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.5853, 17.6433, 72.8942

Background



This preview shows how black text looks on a background with the XYZ color 19.5853, 17.6433, 72.8942.



This preview shows how white text looks on a background with the XYZ color 19.5853, 17.6433,

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

19.5853, 17.6433, 72.8942

Protanopia

20.4209, 17.6210, 70.7315

Deuteranopia

17.8593, 17.6986, 61.5064



Tritanopia

12.3656, 17.5067, 26.3943

Trichromacy



Original Color

19.5853, 17.6433, 72.8942

Protanomaly

19.7831, 17.4415, 71.4311

Deuteranomaly

18.4887, 17.7610, 65.4045

Tritanomaly

14.3691, 17.2799, 40.1141

Monochromacy



Original Color

19.5853, 17.6433, 72.8942

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.2650, 12.1603, 26.9527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5853, 17.6433, 72.8942 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 115, 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, 115, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 115, 224) }
```

Border

The CSS property to change the border of an element to XYZ 19.5853, 17.6433, 72.8942 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, 224) }
```


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

```
.border{ border-color:rgb(0, 115, 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, 115, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 115, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 115, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 115,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5853, 17.6433, 72.8942 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, 224) }
```

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

```
.background{ background-color: rgb(0, 115,  
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](#).

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