

Converting Colors

XYZ(19.2320, 16.8165, 75.6830)

Have a look what the booklet for
XYZ(19.2320, 16.8165, 75.6830)
contains.

XYZ(19.7978, 17.1898, 75.6733)	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(19.7978, 17.1898,
75.6733)**

Conversions

Conversions Part 1

Format	Color
Hex	0070E4
RGB	0, 112, 228
RGB Percent	0%, 44%, 89%
CMY	0.9998, 0.5608, 0.1059
CMYK	1.00, 0.51, 0.00, 0.11
HSL	211°, 100%, 45%
HSV	211°, 100%, 89%
XYZ	19.7978, 17.1898, 75.6733
YIQ	91.7360, -103.9880, 12.3320

Conversions

Conversions Part 2

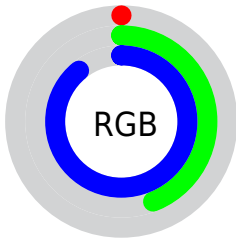
Format	Color
R _Y B	0, 75, 228
Decimal	28900
CIE Lab	48.50, 18.38, -65.95
CIE LCh	48, 68.466, 285.572
Yxy	17.1898, 0.1757, 0.1526
Android (android.graphics.Color)	4278218980 (0xFF0070E4)
YUV	91.7360, 67.1782, -80.4525
Hunter-Lab	41.4606, 12.6793, -79.1929

Details

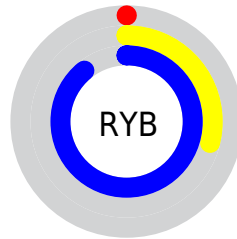
The XYZ color **19.7978, 17.1898, 75.6733** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **38.2480, 28.9994, 3.5833**, and the grayscale version is **9.9845, 10.5044, 11.4393**.

A 20% lighter version of the original color is **36.9729, 36.4176, 99.6884**, and **9.3946, 6.8750, 39.8616** is the 20% darker color. If you saturate the color by 10%, you get **19.7944, 17.1829, 75.6726**, and if you desaturate by 10%, it is **21.5119, 20.0981, 76.1448**.

Distribution



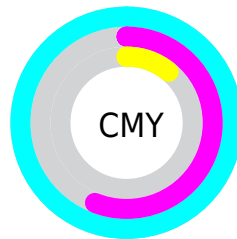
- Red (0%)
- Green (44%)
- Blue (89%)



- Red (0%)
- Yellow (29%)
- Blue (89%)



- Cyan (100%)
- Magenta (51%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (56%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7978, 17.1898, 75.6733 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 19.7978, 17.1898, 75.6733 by changing the saturation by 10% instead.

■ 19.7978, 17.1898,
75.6733

■ 19.7978, 17.1898,
75.6733

243.6729,
236.2638, 499.5456

■ 12.3556, 10.3699,
55.6596

■ 42.5845, 38.6518,
129.0208

■ 7.0602, 5.6449,
39.5279

■ 58.6596, 54.0627,
163.1918

■ 3.5465, 2.6304,
26.8597

■ 78.3430, 73.1061,
202.9189

■ 1.4489, 0.9420,
17.2364

■ 102.0002, 96.1664,
248.6207

■ 0.2907, 0.0000,
10.2394

■ 129.9964,
123.6278, 300.7157

■ 0.0000, 0.0000,
5.4503

162.6970,

■ 0.0000, 0.0000,

155.8750, 359.6225

2.4505

200.4674,
193.2922, 425.7596

■ 0.0000, 0.0000,
0.8138

■ 0.0000, 0.0000,
0.0000

■ 19.7978, 17.1898,
75.6733

■ 19.7978, 17.1898,
75.6733

■ 19.7944, 17.1829,
75.6726

■ 21.5119, 20.0981,
76.1448

■ 23.8081, 23.5601,
76.6920

■ 26.8241, 27.6554,
77.3235

■ 30.6414, 32.4338,
78.0446

■ 35.3290, 37.9386,
78.8601

■ 40.9478, 44.2084,
79.7741

■ 47.5527, 51.2787,
80.7907

■ 55.1942, 59.1823,
81.9135

■ 63.9189, 67.9498,
83.1460

Harmonies

Analogous

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



13.5115, 17.1898, 76.1276



19.7978, 17.1898, 75.6733



26.5636, 17.1898, 54.8446

Triad

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



19.7978, 17.1898, 75.6733



26.3287, 17.1898, 3.2927



7.2146, 17.1898, 11.3569

Complementary

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



19.7978, 17.1898, 75.6733



38.2480, 28.9994, 3.5833

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.



9.1453, 17.1898, 3.4483



19.7978, 17.1898, 75.6733



19.5344, 17.1898, 1.2318

Square

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



19.7978, 17.1898, 75.6733



30.9430, 17.1898, 10.8857



13.3074, 17.1898, 1.2611



7.2508, 17.1898, 29.6156

Rectangle

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



19.7978, 17.1898, 75.6733



29.9774, 17.1898, 36.9624



13.3074, 17.1898, 1.2611



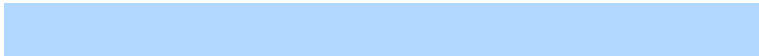
7.6281, 17.1898, 7.7513

Sweetspot

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



19.7986, 17.1902, 75.6738



61.0984, 65.8910, 104.1057



30.7834, 56.7032, 25.2513



12.2729, 13.2504, 22.1607



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.



19.7986, 17.1902, 75.6738



25.4125, 21.9449, 97.5042



14.0051, 5.6032, 73.7426



14.1643, 15.0500, 18.3027



11.5480, 10.1581, 43.7352



0.9461, 0.9362, 3.2628

Inverse Universe

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



34.9204, 17.6653, 16.8985



44.9562, 22.7465, 21.4994



59.7390, 71.9814, 10.7470



14.6705, 14.4854, 16.4654



20.2224, 10.2232, 10.0661



1.5412, 0.7742, 0.9905

Previews

White Background



This preview shows how the XYZ color 19.7978, 17.1898, 75.6733 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 19.7978, 17.1898, 75.6733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

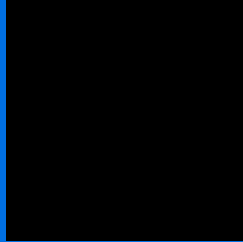
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.7978, 17.1898, 75.6733

Background



This preview shows how black text looks on a background with the XYZ color 19.7978, 17.1898, 75.6733.



This preview shows how white text looks on a background with the XYZ color 19.7978, 17.1898,

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

19.7978, 17.1898, 75.6733

Protanopia

20.2870, 17.3110, 74.2236

Deuteranopia

17.2604, 17.0822, 59.5142



Tritanopia

12.0333, 16.9563, 25.9312

Trichromacy



Original Color

19.7978, 17.1898, 75.6733

Protanomaly

19.9505, 17.1216, 74.9263

Deuteranomaly

18.1410, 17.0656, 65.2886

Tritanomaly

14.1210, 16.7836, 40.0314

Monochromacy



Original Color

19.7978, 17.1898, 75.6733

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.0732, 11.7766, 26.8888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7978, 17.1898, 75.6733 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 228) }
```

Border

The CSS property to change the border of an element to XYZ 19.7978, 17.1898, 75.6733 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, 228) }
```


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

```
.border{ border-color:rgb(0, 112, 228) }
```

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, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 112, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 112, 228); box-shadow:4px 4px 4px 4px rgb(0, 112, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7978, 17.1898, 75.6733 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, 228) }
```

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

```
.background{ background-color: rgb(0, 112,  
228) }
```

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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