

Converting Colors

XYZ(10.2904, 13.8244, 66.5107)

Have a look what the booklet for
XYZ(10.2904, 13.8244, 66.5107)
contains.

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Color

**XYZ(18.9822, 18.3392,
66.8293)**

Conversions

Conversions Part 1

Format	Color
Hex	0078D7
RGB	0, 120, 215
RGB Percent	0%, 47%, 84%
CMY	0.9998, 0.5294, 0.1569
CMYK	1.00, 0.44, 0.00, 0.16
HSL	207°, 100%, 42%
HSV	207°, 100%, 84%
XYZ	18.9822, 18.3392, 66.8293
YIQ	94.9500, -102.0150, 4.1050

Conversions

Conversions Part 2

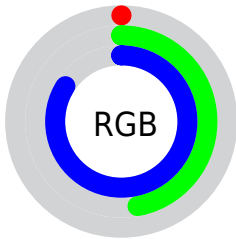
Format	Color
RYB	0, 77, 215
Decimal	30935
CIELab	49.90, 8.19, -56.34
CIElCh	50, 56.930, 278.270
Yxy	18.3392, 0.1823, 0.1761
Android (android.graphics.Color)	4278221015 (0xFF0078D7)
YUV	94.9500, 59.1846, -83.2712
Hunter-Lab	42.8243, 4.1790, -62.5478

Details

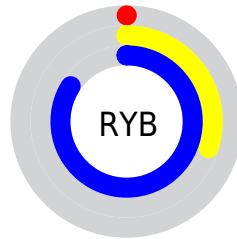
The XYZ color **18.9822, 18.3392, 66.8293** is a dark color, and the websafe version is hex **0066CC**, and the color name is **microsoft edge blue**. The color can be described as dark washed azure. A complement of this color would be **32.1218, 22.6413, 2.6787**, and the grayscale version is **10.7497, 11.3095, 12.3161**.

A 20% lighter version of the original color is **38.2820, 39.5498, 100.2239**, and **8.6406, 7.2683, 33.7484** is the 20% darker color. If you saturate the color by 10%, you get **18.9795, 18.3337, 66.8288**, and if you desaturate by 10%, it is **20.5036, 20.9052, 67.2448**.

Distribution



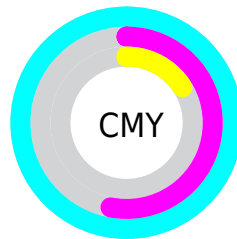
- Red (0%)
- Green (47%)
- Blue (84%)



- Red (0%)
- Yellow (30%)
- Blue (84%)



- Cyan (100%)
- Magenta (44%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (53%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9822, 18.3392, 66.8293 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 18.9822, 18.3392, 66.8293 by changing the saturation by 10% instead.

■ 18.9822, 18.3392,
66.8293

■ 18.9822, 18.3392,
66.8293

239.2905,
242.7761, 467.8219

■ 11.7613, 11.1938,
48.4852

■ 41.2211, 40.6145,
116.3141

■ 6.6524, 6.1973,
33.8486

■ 56.9699, 56.5131,
148.2919

■ 3.2901, 2.9654,
22.5009

■ 76.2920, 76.0983,
185.6513

■ 1.3090, 1.1137,
14.0236

■ 99.5529, 99.7544,
228.8109

■ 0.1899, 0.0000,
7.9981

■ 127.1178,
127.8659, 278.1892

■ 0.0000, 0.0000,
4.0060

159.3521,

■ 0.0000, 0.0000,

160.8170, 334.2048

1.6286

196.6212,
198.9923, 397.2762

■ 0.0000, 0.0000,
0.3111

■ 0.0000, 0.0000,
0.0000

■ 18.9822, 18.3392,
66.8293

■ 18.9822, 18.3392,
66.8293

■ 18.9795, 18.3337,
66.8288

■ 20.5036, 20.9052,
67.2448

■ 22.4977, 23.8878,
67.7154

■ 25.0860, 27.3543,
68.2481

■ 28.3370, 31.3444,
68.8469

■ 32.3087, 35.8920,
69.5154

■ 37.0522, 41.0277,
70.2567

■ 42.6136, 46.7790,
71.0737

■ 49.0351, 53.1716,
71.9691

■ 56.3559, 60.2293,
72.9455

Harmonies

Analogous

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



13.8317, 18.3392, 62.8381



18.9822, 18.3392, 66.8293



24.7608, 18.3392, 54.0155

Triad

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



18.9822, 18.3392, 66.8293



27.0209, 18.3392, 6.5507



9.3956, 18.3392, 10.7902

Complementary

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



18.9822, 18.3392, 66.8293



32.1218, 22.6413, 2.6787

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.



11.7123, 18.3392, 4.4582



18.9822, 18.3392, 66.8293



21.6058, 18.3392, 3.0506

Square

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



18.9822, 18.3392, 66.8293



29.9944, 18.3392, 15.9547



15.9664, 18.3392, 2.5594



8.9809, 18.3392, 24.6042

Rectangle

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



18.9822, 18.3392, 66.8293



27.9500, 18.3392, 40.2769



15.9664, 18.3392, 2.5594



9.9504, 18.3392, 7.9777

Sweetspot

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



18.9830, 18.3397, 66.8298



62.4315, 68.5572, 104.5501



26.2858, 49.3953, 18.5506



12.5884, 13.8813, 22.2658



0.0000, 0.0000, 0.0000



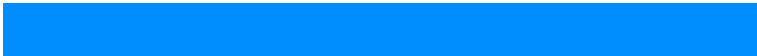
20.3446, 21.4041, 23.3091

Same Dimension

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



18.9830, 18.3397, 66.8298



27.7674, 26.6548, 98.2891



12.4287, 5.2311, 64.6450



12.3116, 13.1466, 15.8262



11.4593, 11.1803, 40.0072



0.7731, 0.8382, 2.4403

Inverse Universe

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



31.4153, 15.8044, 19.1642



46.1449, 23.2220, 27.7588



48.8348, 56.0672, 8.2497



12.7105, 12.5357, 14.4156



18.8430, 9.4735, 11.7430



1.1779, 0.5879, 0.9260

Previews

White Background



This preview shows how the XYZ color 18.9822, 18.3392, 66.8293 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 18.9822, 18.3392, 66.8293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

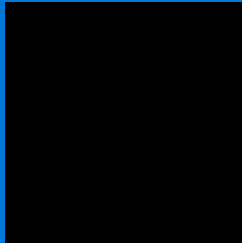
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.9822, 18.3392, 66.8293

Background



This preview shows how black text looks on a background with the XYZ color 18.9822, 18.3392, 66.8293.



This preview shows how white text looks on a background with the XYZ color 18.9822, 18.3392,

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

18.9822, 18.3392, 66.8293

Protanopia

20.5876, 18.3705, 63.4335

Deuteranopia

18.7267, 18.2370, 65.4839



Tritanopia

12.8499, 18.1260, 27.6324

Trichromacy



Original Color

18.9822, 18.3392, 66.8293

Protanomaly

19.4172, 18.0804, 64.7538

Deuteranomaly

18.8541, 18.2880, 66.1545

Tritanomaly

14.5644, 17.9688, 39.2599

Monochromacy



Original Color

18.9822, 18.3392, 66.8293

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.4740, 12.7254, 26.2776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9822, 18.3392, 66.8293 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, 120, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 215)  
}
```

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, 120, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 215) }
```

Border

The CSS property to change the border of an element to XYZ 18.9822, 18.3392, 66.8293 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, 120, 215) }
```


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

```
.border{ border-color:rgb(0, 120, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 120, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 215);  
box-shadow:4px 4px 4px 4px rgb(0, 120,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9822, 18.3392, 66.8293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 215) }
```

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

```
.background{ background-color: rgb(0, 120,  
215) }
```

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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