

Converting Colors

XYZ(12.2588, 14.5011, 73.5578)

Have a look what the booklet for
XYZ(12.2588, 14.5011, 73.5578)
contains.

XYZ(20.1874, 18.6299, 73.7661)	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(20.1874, 18.6299,
73.7661)**

Conversions

Conversions Part 1

Format	Color
Hex	0077E1
RGB	0, 119, 225
RGB Percent	0%, 47%, 88%
CMY	0.9998, 0.5333, 0.1176
CMYK	1.00, 0.47, 0.00, 0.12
HSL	208°, 100%, 44%
HSV	208°, 100%, 88%
XYZ	20.1874, 18.6299, 73.7661
YIQ	95.5030, -104.9500, 7.7380

Conversions

Conversions Part 2

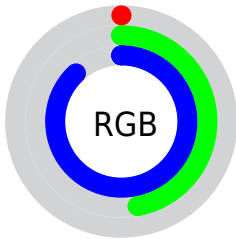
Format	Color
R _Y B	0, 78, 225
Decimal	30689
CIE Lab	50.25, 12.75, -61.43
CIE LCh	50, 62.739, 281.730
Yxy	18.6299, 0.1793, 0.1655
Android (android.graphics.Color)	4278220769 (0xFF0077E1)
YUV	95.5030, 63.8420, -83.7561
Hunter-Lab	43.1624, 7.9518, -71.1152

Details

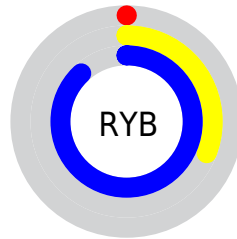
The XYZ color **20.1874, 18.6299, 73.7661** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **36.2114, 26.3269, 3.1746**, and the grayscale version is **10.8715, 11.4376, 12.4556**.

A 20% lighter version of the original color is **38.3218, 39.2889, 100.1715**, and **9.4788, 7.4993, 38.4840** is the 20% darker color. If you saturate the color by 10%, you get **20.1846, 18.6240, 73.7656**, and if you desaturate by 10%, it is **21.8638, 21.4731, 74.2270**.

Distribution



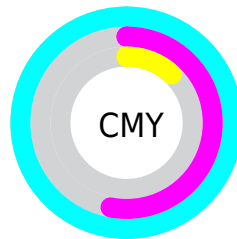
- Red (0%)
- Green (47%)
- Blue (88%)



- Red (0%)
- Yellow (31%)
- Blue (88%)



- Cyan (100%)
- Magenta (47%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (53%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1874, 18.6299, 73.7661 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 20.1874, 18.6299, 73.7661 by changing the saturation by 10% instead.

■ 20.1874, 18.6299,
73.7661

■ 20.1874, 18.6299,
73.7661

245.7421,
244.3979, 492.8075

■ 12.6404, 11.4032,
54.1070

■ 43.2327, 41.1078,
126.2952

■ 7.2567, 6.3387,
38.2934

■ 59.4617, 57.1277,
160.0022

■ 3.6709, 3.0521,
25.9069

■ 79.3154, 76.8475,
199.2290

■ 1.5177, 1.1590,
16.5289

■ 103.1592,
100.6515, 244.3940

■ 0.3378, 0.0278,
9.7408

■ 131.3584,
128.9242, 295.9158

■ 0.0000, 0.0000,
5.1241

164.2784,

■ 0.0000, 0.0000,

162.0498, 354.2130

2.2602

202.2845,
200.4130, 419.7040

■ 0.0000, 0.0000,
0.7088

■ 0.0000, 0.0000,
0.0000

■ 20.1874, 18.6299,
73.7661

■ 20.1874, 18.6299,
73.7661

■ 20.1846, 18.6240,
73.7656

■ 21.8638, 21.4731,
74.2270

■ 24.0834, 24.8117,
74.7544

■ 26.9793, 28.7208,
75.3563

■ 30.6292, 33.2462,
76.0374

■ 35.0985, 38.4276,
76.8020

■ 40.4454, 44.3003,
77.6537

■ 46.7220, 50.8968,
78.5962

■ 53.9760, 58.2467,
79.6325

■ 62.2519, 66.3780,
80.7658

Harmonies

Analogous

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



14.2946, 18.6299, 71.4568



20.1874, 18.6299, 73.7661



26.6670, 18.6299, 56.8511

Triad

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



20.1874, 18.6299, 73.7661



27.9232, 18.6299, 5.1793



8.7759, 18.6299, 11.5071

Complementary

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



20.1874, 18.6299, 73.7661



36.2114, 26.3269, 3.1746

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.



11.0194, 18.6299, 4.1681



20.1874, 18.6299, 73.7661



21.6237, 18.6299, 2.2214

Square

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



20.1874, 18.6299, 73.7661



31.7687, 18.6299, 14.2201



15.4389, 18.6299, 2.0031



8.5619, 18.6299, 27.8670

Rectangle

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



20.1874, 18.6299, 73.7661



30.1032, 18.6299, 40.5909



15.4389, 18.6299, 2.0031



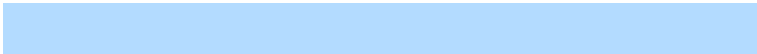
9.2890, 18.6299, 8.2152

Sweetspot

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



20.1883, 18.6304, 73.7666



61.8439, 67.3820, 104.3542



29.4773, 54.8716, 22.4101



12.4492, 13.6028, 22.2194



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.



20.1883, 18.6304, 73.7666



26.6914, 24.5028, 97.9305



13.6733, 5.6006, 71.5950



13.5490, 14.4371, 17.4602



11.7492, 10.9681, 42.5462



0.9039, 0.9392, 2.9789

Inverse Universe

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



34.3819, 17.3407, 18.9879



45.6018, 23.0047, 24.8989



55.9944, 65.8929, 9.7689



14.0086, 13.8211, 15.8153



19.8707, 10.0153, 11.2507



1.4225, 0.7123, 1.0176

Previews

White Background



This preview shows how the XYZ color 20.1874, 18.6299, 73.7661 looks on a white 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

Black Background



This preview shows how the XYZ color 20.1874, 18.6299, 73.7661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

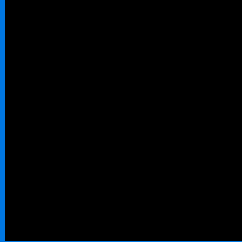
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

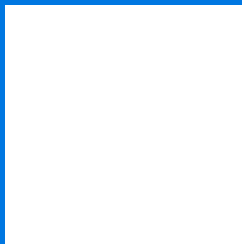
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1874, 18.6299, 73.7661

Background



This preview shows how black text looks on a background with the XYZ color 20.1874, 18.6299, 73.7661.



This preview shows how white text looks on a background with the XYZ color 20.1874, 18.6299,

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

20.1874, 18.6299, 73.7661

Protanopia

21.2962, 18.5719, 70.8689

Deuteranopia

18.8476, 18.4788, 65.5242



Tritanopia

13.0590, 18.4256, 28.0675

Trichromacy



Original Color

20.1874, 18.6299, 73.7661

Protanomaly

20.3447, 18.2361, 71.5549

Deuteranomaly

19.2409, 18.4427, 68.1913

Tritanomaly

15.0358, 18.1573, 41.7420

Monochromacy



Original Color

20.1874, 18.6299, 73.7661

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.8327, 12.8759, 27.8482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1874, 18.6299, 73.7661 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, 119, 225)` looks like.

```
.text, #text, p{  
    color:rgb(0, 119, 225)  
}
```

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, 119, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 119, 225) }
```

Border

The CSS property to change the border of an element to XYZ 20.1874, 18.6299, 73.7661 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, 119, 225) }
```


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

```
.border{ border-color:rgb(0, 119, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 119, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 119, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 119, 225);  
box-shadow:4px 4px 4px 4px rgb(0, 119,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1874, 18.6299, 73.7661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 119, 225) }
```

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

```
.background{ background-color: rgb(0, 119,  
225) }
```

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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