

Converting Colors

XYZ(11.8949, 15.3415, 74.5346)

Have a look what the booklet for
XYZ(11.8949, 15.3415, 74.5346)
contains.

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Color

**XYZ(21.0611, 20.1582,
74.7324)**

Conversions

Conversions Part 1

Format	Color
Hex	007DE2
RGB	0, 125, 226
RGB Percent	0%, 49%, 89%
CMY	0.9998, 0.5098, 0.1137
CMYK	1.00, 0.45, 0.00, 0.11
HSL	207°, 100%, 44%
HSV	207°, 100%, 89%
XYZ	21.0611, 20.1582, 74.7324
YIQ	99.1390, -106.9210, 4.9110

Conversions

Conversions Part 2

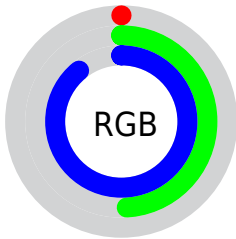
Format	Color
RYB	0, 80, 226
Decimal	32226
CIELab	52.02, 9.39, -59.15
CIELCh	52, 59.892, 279.024
Yxy	20.1582, 0.1816, 0.1738
Android (android.graphics.Color)	4278222306 (0xFF007DE2)
YUV	99.1390, 62.5425, -86.9449
Hunter-Lab	44.8979, 5.1611, -67.2595

Details

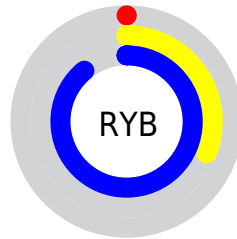
The XYZ color **21.0611, 20.1582, 74.7324** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **36.0242, 25.4882, 3.0228**, and the grayscale version is **11.7662, 12.3790, 13.4807**.

A 20% lighter version of the original color is **39.4811, 41.6073, 100.5579**, and **9.9096, 8.2100, 39.0926** is the 20% darker color. If you saturate the color by 10%, you get **21.0578, 20.1515, 74.7318**, and if you desaturate by 10%, it is **22.7516, 23.0260, 75.1973**.

Distribution



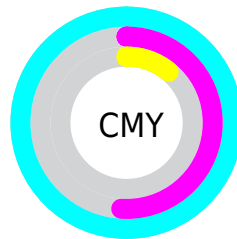
- Red (0%)
- Green (49%)
- Blue (89%)



- Red (0%)
- Yellow (31%)
- Blue (89%)



- Cyan (100%)
- Magenta (45%)
- Yellow (0%)
- Black (11%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0611, 20.1582, 74.7324 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 21.0611, 20.1582, 74.7324 by changing the saturation by 10% instead.

■ 21.0611, 20.1582,
74.7324

■ 21.0611, 20.1582,
74.7324

250.3286,
252.7703, 496.2281

■ 13.2814, 12.5101,
54.8933

■ 44.6797, 43.6823,
127.6771

■ 7.7009, 7.0921,
38.9183

■ 61.2493, 60.3270,
161.6198

■ 3.9544, 3.5197,
26.3888

■ 81.4796, 80.7394,
201.1007

■ 1.6764, 1.4087,
16.8864

■ 105.7359,
105.3039, 246.5384

■ 0.4414, 0.2231,
9.9924

■ 134.3836,
134.4048, 298.3515

■ 0.0000, 0.0000,
5.2884

167.7881,

■ 0.0000, 0.0000,

168.4266, 356.9584

2.3558

206.3146,
207.7536, 422.7778

■ 0.0000, 0.0000,
0.7622

■ 0.0000, 0.0000,
0.0000

■ 21.0611, 20.1582,
74.7324

■ 21.0611, 20.1582,
74.7324

■ 21.0578, 20.1515,
74.7318

■ 22.7516, 23.0260,
75.1973

■ 24.9782, 26.3686,
75.7252

■ 27.8746, 30.2605,
76.3237

■ 31.5185, 34.7468,
76.9976

■ 35.9757, 39.8663,
77.7508

■ 41.3042, 45.6535,
78.5871

■ 47.5563, 52.1401,
79.5096

■ 54.7796, 59.3551,
80.5215

■ 63.0187, 67.3257,
81.6257

Harmonies

Analogous

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



15.2560, 20.1582, 70.7048



21.0611, 20.1582, 74.7324



27.5451, 20.1582, 59.8129

Triad

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



21.0611, 20.1582, 74.7324



29.8069, 20.1582, 6.8536



10.1539, 20.1582, 11.9769

Complementary

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



21.0611, 20.1582, 74.7324



36.0242, 25.4882, 3.0228

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.



12.6765, 20.1582, 4.8177



21.0611, 20.1582, 74.7324



23.6783, 20.1582, 3.1420

Square

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



21.0611, 20.1582, 74.7324



33.2542, 20.1582, 17.0856



17.3764, 20.1582, 2.6717



9.7451, 20.1582, 27.6571

Rectangle

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



21.0611, 20.1582, 74.7324



31.0939, 20.1582, 44.2062



17.3764, 20.1582, 2.6717



10.7524, 20.1582, 8.7913

Sweetspot

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



21.0620, 20.1588, 74.7329



62.3295, 68.3531, 104.5161



29.4004, 55.2747, 20.6669



12.5642, 13.8329, 22.2578



0.0000, 0.0000, 0.0000



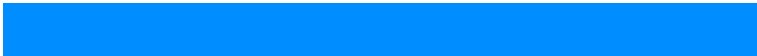
20.3446, 21.4041, 23.3091

Same Dimension

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



21.0620, 20.1588, 74.7329



27.5763, 26.2725, 98.2254



13.9009, 5.8366, 72.3459



13.5773, 14.4937, 17.4697



12.1337, 11.7369, 42.6743



0.9300, 0.9915, 2.9876

Inverse Universe

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



35.0666, 17.6509, 20.9609



46.0484, 23.1834, 27.2508



54.6435, 62.7267, 9.2292



14.0229, 13.8268, 15.8906



20.0647, 10.0929, 12.2725



1.4357, 0.7175, 1.0872

Previews

White Background



This preview shows how the XYZ color 21.0611, 20.1582, 74.7324 looks on a white background.

Color Contrast Check

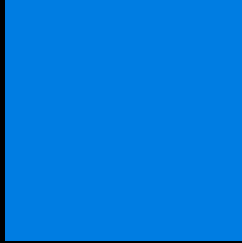
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0611, 20.1582, 74.7324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

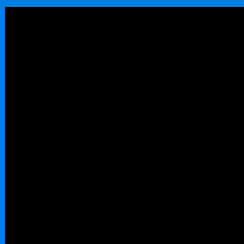
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

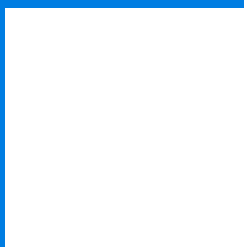
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.0611, 20.1582, 74.7324

Background



This preview shows how black text looks on a background with the XYZ color 21.0611, 20.1582, 74.7324.



This preview shows how white text looks on a background with the XYZ color 21.0611, 20.1582,

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

21.0611, 20.1582, 74.7324

Protanopia

22.6693, 20.1493, 71.1010

Deuteranopia

20.6457, 20.1956, 71.9172



Tritanopia

14.1340, 19.9666, 30.3031

Trichromacy



Original Color

21.0611, 20.1582, 74.7324

Protanomaly

21.4977, 19.8752, 72.5153

Deuteranomaly

20.7801, 20.2494, 72.6253

Tritanomaly

16.1254, 19.8702, 43.5429

Monochromacy



Original Color

21.0611, 20.1582, 74.7324

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.5233, 13.8262, 28.7967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0611, 20.1582, 74.7324 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, 125, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 226)  
}
```

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, 125, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 226) }
```

Border

The CSS property to change the border of an element to XYZ 21.0611, 20.1582, 74.7324 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, 125, 226) }
```


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

```
.border{ border-color:rgb(0, 125, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 125, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 125,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0611, 20.1582, 74.7324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 125, 226) }
```

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

```
.background{ background-color: rgb(0, 125,  
226) }
```

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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