

Converting Colors

XYZ(15.9432, 17.0454, 76.9432)

Have a look what the booklet for
XYZ(15.9432, 17.0454, 76.9432)
contains.

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Color

**XYZ(21.2258, 19.8231,
76.8363)**

Conversions

Conversions Part 1

Format	Color
Hex	007BE5
RGB	0, 123, 229
RGB Percent	0%, 48%, 90%
CMY	0.9998, 0.5176, 0.1020
CMYK	1.00, 0.46, 0.00, 0.10
HSL	208°, 100%, 45%
HSV	208°, 100%, 90%
XYZ	21.2258, 19.8231, 76.8363
YIQ	98.3070, -107.3340, 6.8900

Conversions

Conversions Part 2

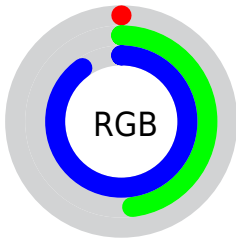
Format	Color
R _Y B	0, 80, 229
Decimal	31717
CIE Lab	51.64, 11.81, -61.44
CIE LCh	52, 62.570, 280.883
Yxy	19.8231, 0.1801, 0.1682
Android (android.graphics.Color)	4278221797 (0xFF007BE5)
YUV	98.3070, 64.4316, -86.2152
Hunter-Lab	44.5231, 7.1819, -71.1542

Details

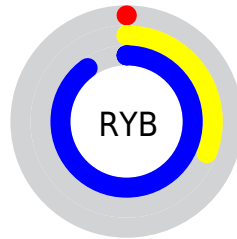
The XYZ color **21.2258, 19.8231, 76.8363** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **37.4734, 26.9777, 3.2337**, and the grayscale version is **11.5539, 12.1556, 13.2375**.

A 20% lighter version of the original color is **39.2057, 40.8832, 100.4326**, and **10.0589, 8.0493, 40.5587** is the 20% darker color. If you saturate the color by 10%, you get **21.2228, 19.8169, 76.8358**, and if you desaturate by 10%, it is **22.9657, 22.7796, 77.3157**.

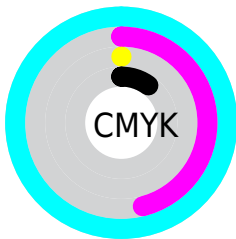
Distribution



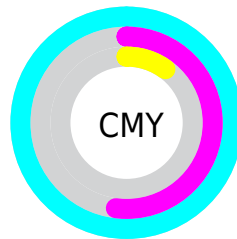
- Red (0%)
- Green (48%)
- Blue (90%)



- Red (0%)
- Yellow (31%)
- Blue (90%)



- Cyan (100%)
- Magenta (46%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (52%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2258, 19.8231, 76.8363 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 21.2258, 19.8231, 76.8363 by changing the saturation by 10% instead.

■ 21.2258, 19.8231,
76.8363

■ 21.2258, 19.8231,
76.8363

251.1851,
250.9558, 503.6285

■ 13.4026, 12.2665,
56.6078

■ 44.9515, 43.1204,
130.6793

■ 7.7852, 6.9255,
40.2832

■ 61.5846, 59.6299,
165.1308

■ 4.0085, 3.4155,
27.4439

■ 81.8851, 79.8925,
205.1604

■ 1.7069, 1.3523,
17.6715

■ 106.2183,
104.2926, 251.1866

■ 0.4606, 0.1812,
10.5474

■ 134.9495,
133.2146, 303.6280

■ 0.0000, 0.0000,
5.6531

168.4442,

■ 0.0000, 0.0000,

167.0429, 362.9031

2.5699

207.0676,
206.1618, 429.4304

■ 0.0000, 0.0000,
0.8769

■ 0.0000, 0.0000,
0.0000

■ 21.2258, 19.8231,
76.8363

■ 21.2258, 19.8231,
76.8363

■ 21.2228, 19.8169,
76.8358

■ 22.9657, 22.7796,
77.3157

■ 25.2676, 26.2436,
77.8630

■ 28.2694, 30.2924,
78.4863

■ 32.0516, 34.9736,
79.1905

■ 36.6829, 40.3280,
79.9799

■ 42.2233, 46.3921,
80.8584

■ 48.7273, 53.1994,
81.8296

■ 56.2446, 60.7805,
82.8967

■ 64.8213, 69.1642,
84.0628

Harmonies

Analogous

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



15.1411, 19.8231, 73.8654



21.2258, 19.8231, 76.8363



27.9490, 19.8231, 59.9476

Triad

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



21.2258, 19.8231, 76.8363



29.5818, 19.8231, 5.8951



9.5463, 19.8231, 12.0881

Complementary

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



21.2258, 19.8231, 76.8363



37.4734, 26.9777, 3.2337

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.



11.9643, 19.8231, 4.5315



21.2258, 19.8231, 76.8363



23.1000, 19.8231, 2.5868

Square

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



21.2258, 19.8231, 76.8363



33.4415, 19.8231, 15.6663



16.6424, 19.8231, 2.2855



9.2626, 19.8231, 28.8307

Rectangle

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



21.2258, 19.8231, 76.8363



31.5508, 19.8231, 43.2875



16.6424, 19.8231, 2.2855



10.1060, 19.8231, 8.7080

Sweetspot

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



21.2267, 19.8236, 76.8368



62.0084, 67.7110, 104.4091



30.4724, 57.0203, 22.2532



12.4881, 13.6807, 22.2324



0.0000, 0.0000, 0.0000



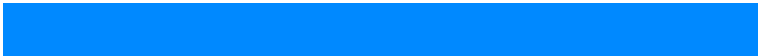
20.3446, 21.4041, 23.3091

Same Dimension

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



21.2267, 19.8236, 76.8368



26.9867, 25.0934, 98.0289



14.2692, 5.9086, 74.5177



14.2207, 15.1627, 18.3215



12.2559, 11.5739, 43.9712



0.9984, 1.0408, 3.2802

Inverse Universe

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



35.8891, 18.0894, 20.3392



45.7508, 23.0643, 25.6837



57.2694, 66.5698, 9.8324



14.6990, 14.4968, 16.6151



20.5797, 10.3661, 11.9478



1.5676, 0.7847, 1.1294

Previews

White Background



This preview shows how the XYZ color 21.2258, 19.8231, 76.8363 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 21.2258, 19.8231, 76.8363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

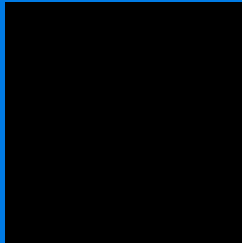
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.2258, 19.8231, 76.8363

Background



This preview shows how black text looks on a background with the XYZ color 21.2258, 19.8231, 76.8363.



This preview shows how white text looks on a background with the XYZ color 21.2258, 19.8231,

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

21.2258, 19.8231, 76.8363

Protanopia

22.6417, 19.8951, 73.8810

Deuteranopia

20.2519, 19.8345, 70.4712



Tritanopia

13.9150, 19.6527, 29.8480

Trichromacy



Original Color

21.2258, 19.8231, 76.8363

Protanomaly

21.4826, 19.4594, 74.5753

Deuteranomaly

20.5269, 19.7430, 72.5409

Tritanomaly

15.9528, 19.3672, 43.9717

Monochromacy



Original Color

21.2258, 19.8231, 76.8363

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.4326, 13.6148, 29.1668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2258, 19.8231, 76.8363 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, 123, 229)` looks like.

```
.text, #text, p{  
    color:rgb(0, 123, 229)  
}
```

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, 123, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 123, 229) }
```

Border

The CSS property to change the border of an element to XYZ 21.2258, 19.8231, 76.8363 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, 123, 229) }
```


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

```
.border{ border-color:rgb(0, 123, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 123, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 123, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 123, 229);  
box-shadow:4px 4px 4px 4px rgb(0, 123,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2258, 19.8231, 76.8363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 123, 229) }
```

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

```
.background{ background-color: rgb(0, 123,  
229) }
```

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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