

Converting Colors

XYZ(10.3086, 15.2340, 66.0885)

Have a look what the booklet for
XYZ(10.3086, 15.2340, 66.0885)
contains.

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Color

**XYZ(19.7270, 20.0338,
66.4455)**

Conversions

Conversions Part 1

Format	Color
Hex	007FD6
RGB	0, 127, 214
RGB Percent	0%, 50%, 84%
CMY	0.9998, 0.5020, 0.1608
CMYK	1.00, 0.41, 0.00, 0.16
HSL	204°, 100%, 42%
HSV	204°, 100%, 84%
XYZ	19.7270, 20.0338, 66.4455
YIQ	98.9450, -103.6190, 0.1330

Conversions

Conversions Part 2

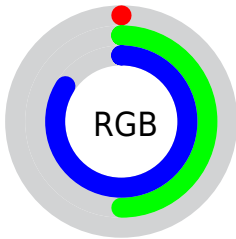
Format	Color
R _Y B	0, 80, 214
Decimal	32726
CIE Lab	51.88, 3.47, -52.61
CIE LCh	52, 52.729, 273.773
Yxy	20.0338, 0.1857, 0.1886
Android (android.graphics.Color)	4278222806 (0xFF007FD6)
YUV	98.9450, 56.7221, -86.7748
Hunter-Lab	44.7591, 0.3430, -56.6854

Details

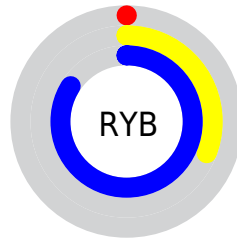
The XYZ color **19.7270, 20.0338, 66.4455** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **31.1446, 21.1214, 2.4369**, and the grayscale version is **11.7307, 12.3416, 13.4400**.

A 20% lighter version of the original color is **39.5369, 42.2269, 100.6745**, and **9.0540, 8.0952, 33.8862** is the 20% darker color. If you saturate the color by 10%, you get **19.7243, 20.0284, 66.4451**, and if you desaturate by 10%, it is **21.2190, 22.5443, 66.8519**.

Distribution



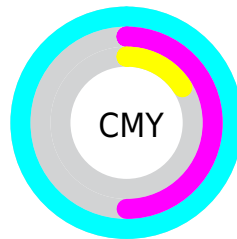
- Red (0%)
- Green (50%)
- Blue (84%)



- Red (0%)
- Yellow (31%)
- Blue (84%)



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (50%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7270, 20.0338, 66.4455 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 19.7270, 20.0338, 66.4455 by changing the saturation by 10% instead.

■ 19.7270, 20.0338,
66.4455

■ 19.7270, 20.0338,
66.4455

243.2952,
252.0980, 466.4161

■ 12.3039, 12.4196,
48.1754

■ 42.4664, 43.4738,
115.7586

■ 7.0246, 7.0301,
33.6048

■ 58.5135, 60.0685,
147.6387

■ 3.5240, 3.4810,
22.3153

■ 78.1658, 80.4254,
184.8924

■ 1.4365, 1.3877,
13.8882

■ 101.7889,
104.9290, 227.9385

■ 0.2820, 0.2076,
7.9051

■ 129.7480,
133.9637, 277.1953

■ 0.0000, 0.0000,
3.9474

162.4085,

■ 0.0000, 0.0000,

167.9138, 333.0815

1.5965

200.1358,
207.1638, 396.0156

■ 0.0000, 0.0000,
0.2883

■ 0.0000, 0.0000,
0.0000

■ 19.7270, 20.0338,
66.4455

■ 19.7270, 20.0338,
66.4455

■ 19.7243, 20.0284,
66.4451

■ 21.2190, 22.5443,
66.8519

■ 23.1626, 25.4350,
67.3074

■ 25.6774, 28.7712,
67.8188

■ 28.8305, 32.5907,
68.3899

■ 32.6784, 36.9259,
69.0239

■ 37.2713, 41.8056,
69.7237

■ 42.6538, 47.2559,
70.4920

■ 48.8674, 53.3009,
71.3313

■ 55.9500, 59.9632,
72.2440

Harmonies

Analogous

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



14.8443, 20.0338, 60.3945



19.7270, 20.0338, 66.4455



25.3574, 20.0338, 56.6494

Triad

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



19.7270, 20.0338, 66.4455



28.9459, 20.0338, 9.1851



11.2186, 20.0338, 11.2052

Complementary

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



19.7270, 20.0338, 66.4455



31.1446, 21.1214, 2.4369

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.



13.8725, 20.0338, 5.3373



19.7270, 20.0338, 66.4455



23.9635, 20.0338, 4.6138

Square

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



19.7270, 20.0338, 66.4455



31.2730, 20.0338, 19.9303



18.3721, 20.0338, 3.6372



10.5051, 20.0338, 23.8115

Rectangle

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



19.7270, 20.0338, 66.4455



28.6127, 20.0338, 44.2913



18.3721, 20.0338, 3.6372



11.8853, 20.0338, 8.6160

Sweetspot

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



19.7278, 20.0344, 66.4460



63.1516, 69.9974, 104.7902



25.7124, 48.7598, 16.7831



12.7595, 14.2235, 22.3229



0.0000, 0.0000, 0.0000



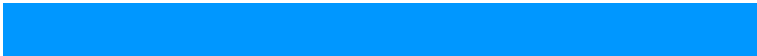
20.3446, 21.4041, 23.3091

Same Dimension

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



19.7278, 20.0344, 66.4460



29.1660, 29.4519, 98.7553



12.4148, 5.4084, 64.0084



12.3490, 13.2215, 15.8387



12.0266, 12.3150, 40.1963



0.8058, 0.9035, 2.4512

Inverse Universe

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



31.5632, 15.8297, 21.4709



46.8508, 23.5043, 31.4762



46.7150, 52.2623, 7.6270



12.7294, 12.5432, 14.5151



19.1293, 9.5880, 13.2510



1.1944, 0.5945, 1.0129

Previews

White Background



This preview shows how the XYZ color 19.7270, 20.0338, 66.4455 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 19.7270, 20.0338, 66.4455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

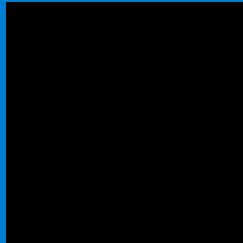
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.7270, 20.0338, 66.4455

Background



This preview shows how black text looks on a background with the XYZ color 19.7270, 20.0338, 66.4455.



This preview shows how white text looks on a background with the XYZ color 19.7270, 20.0338,

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

19.7270, 20.0338, 66.4455

Protanopia

21.9394, 19.9654, 62.3719

Deuteranopia

20.8183, 20.2019, 67.0921



Tritanopia

14.1340, 19.9666, 30.3031

Trichromacy



Original Color

19.7270, 20.0338, 66.4455

Protanomaly

20.2914, 19.6313, 63.6925

Deuteranomaly

20.2917, 20.1193, 67.1039

Tritanomaly

15.7382, 19.7153, 41.5040

Monochromacy



Original Color

19.7270, 20.0338, 66.4455

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.3263, 13.9171, 27.2359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7270, 20.0338, 66.4455 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, 127, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 127, 214)  
}
```

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, 127, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 214) }
```

Border

The CSS property to change the border of an element to XYZ 19.7270, 20.0338, 66.4455 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, 127, 214) }
```


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

```
.border{ border-color:rgb(0, 127, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 127, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 127,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7270, 20.0338, 66.4455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 127, 214) }
```

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

```
.background{ background-color: rgb(0, 127,  
214) }
```

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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