

Converting Colors

XYZ(8.1731, 14.0237, 61.0758)

Have a look what the booklet for
XYZ(8.1731, 14.0237, 61.0758)
contains.

XYZ(18.7233, 19.4267, 61.7944)	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(18.7233, 19.4267,
61.7944)**

Conversions

Conversions Part 1

Format	Color
Hex	007ECF
RGB	0, 126, 207
RGB Percent	0%, 49%, 81%
CMY	0.9998, 0.5059, 0.1882
CMYK	1.00, 0.39, 0.00, 0.19
HSL	203°, 100%, 41%
HSV	203°, 100%, 81%
XYZ	18.7233, 19.4267, 61.7944
YIQ	97.5600, -101.0970, -1.5210

Conversions

Conversions Part 2

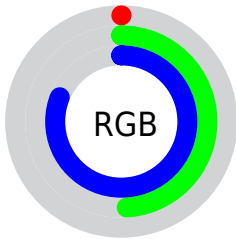
Format	Color
RYB	0, 78, 207
Decimal	32463
CIELab	51.18, 1.35, -49.75
CIELCh	51, 49.773, 271.550
Yxy	19.4267, 0.1873, 0.1944
Android (android.graphics.Color)	4278222543 (0xFF007ECF)
YUV	97.5600, 53.9539, -85.5601
Hunter-Lab	44.0757, -1.3060, -52.2719

Details

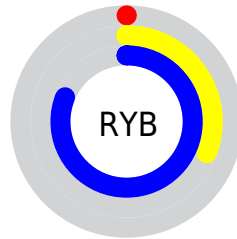
The XYZ color **18.7233, 19.4267, 61.7944** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **28.6782, 19.1568, 2.1874**, and the grayscale version is **11.3925, 11.9858, 13.0526**.

A 20% lighter version of the original color is **39.1160, 41.7134, 100.5976**, and **8.3919, 7.7158, 30.7528** is the 20% darker color. If you saturate the color by 10%, you get **18.7214, 19.4227, 61.7942**, and if you desaturate by 10%, it is **20.1057, 21.7403, 62.1685**.

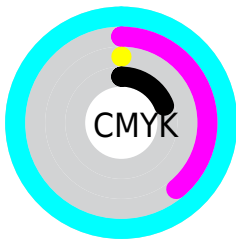
Distribution



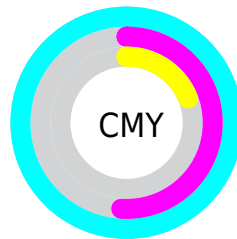
- Red (0%)
- Green (49%)
- Blue (81%)



- Red (0%)
- Yellow (31%)
- Blue (81%)



- Cyan (100%)
- Magenta (39%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (51%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7233, 19.4267, 61.7944 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 18.7233, 19.4267, 61.7944 by changing the saturation by 10% instead.

■ 18.7233, 19.4267,
61.7944

■ 18.7233, 19.4267,
61.7944

237.8845,
248.7944, 449.1677

■ 11.5733, 11.9790,
44.4319

■ 40.7865, 42.4539,
108.9970

■ 6.5240, 6.7294,
30.6705

■ 56.4305, 58.8022,
139.6742

■ 3.2099, 3.2934,
20.0917

■ 75.6365, 78.8861,
175.6267

■ 1.2657, 1.2868,
12.2770

■ 98.7699, 103.0901,
217.2731

■ 0.1573, 0.1309,
6.8078

■ 126.1960,
131.7985, 265.0318

■ 0.0000, 0.0000,
3.2656

158.2802,

■ 0.0000, 0.0000,

165.3958, 319.3214

1.2318

195.3880,
204.2663, 380.5606

■ 0.0000, 0.0000,
0.0049

■ 0.0000, 0.0000,
0.0000

■ 18.7233, 19.4267,
61.7944

■ 18.7233, 19.4267,
61.7944

■ 18.7214, 19.4227,
61.7942

■ 20.1057, 21.7403,
62.1685

■ 21.8982, 24.3925,
62.5860

■ 24.2134, 27.4443,
63.0530

■ 27.1126, 30.9300,
63.5730

■ 30.6477, 34.8788,
64.1489

■ 34.8644, 39.3170,
64.7833

■ 39.8040, 44.2682,
65.4787

■ 45.5042, 49.7543,
66.2371

■ 52.0000, 55.7955,
67.0608

Harmonies

Analogous

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



14.2901, 19.4267, 55.3253



18.7233, 19.4267, 61.7944



23.9078, 19.4267, 53.9366

Triad

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



18.7233, 19.4267, 61.7944



27.8245, 19.4267, 9.8522



11.2946, 19.4267, 10.6402

Complementary

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



18.7233, 19.4267, 61.7944



28.6782, 19.1568, 2.1874

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.



13.9173, 19.4267, 5.3859



18.7233, 19.4267, 61.7944



23.3817, 19.4267, 5.0949

Square

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



18.7233, 19.4267, 61.7944



29.7109, 19.4267, 20.4232



18.2081, 19.4267, 3.9267



10.4886, 19.4267, 21.8987

Rectangle

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



18.7233, 19.4267, 61.7944



26.9697, 19.4267, 43.0420



18.2081, 19.4267, 3.9267



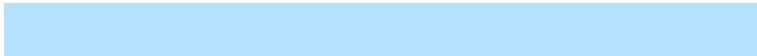
11.9667, 19.4267, 8.3238

Sweetspot

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



18.7241, 19.4273, 61.7949



63.4663, 70.6267, 104.8950



23.7386, 45.1963, 14.9419



12.8344, 14.3732, 22.3478



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.



18.7241, 19.4273, 61.7949



29.8042, 30.7284, 98.9681



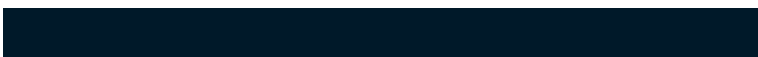
11.5936, 5.1664, 59.4181



11.7538, 12.5979, 15.0558



11.8896, 12.4259, 38.9643



0.7408, 0.8468, 2.2040

Inverse Universe

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



29.4988, 14.7728, 21.0357



47.1730, 23.6332, 33.1727



42.6363, 47.0731, 6.8401



12.1066, 11.9274, 13.8373



18.6321, 9.3257, 13.5005



1.0802, 0.5368, 0.9569

Previews

White Background



This preview shows how the XYZ color 18.7233, 19.4267, 61.7944 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 18.7233, 19.4267, 61.7944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

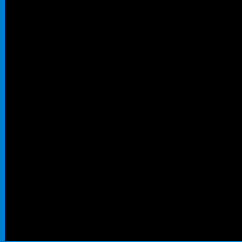
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.7233, 19.4267, 61.7944

Background



This preview shows how black text looks on a background with the XYZ color 18.7233, 19.4267, 61.7944.



This preview shows how white text looks on a background with the XYZ color 18.7233, 19.4267,

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

18.7233, 19.4267, 61.7944

Protanopia

21.0467, 19.4385, 57.2863

Deuteranopia

20.1555, 19.5898, 62.3934



Tritanopia

13.6980, 19.3416, 29.3969

Trichromacy



Original Color

18.7233, 19.4267, 61.7944

Protanomaly

19.3699, 19.0716, 59.1602

Deuteranomaly

19.3204, 19.3444, 62.3901

Tritanomaly

15.2263, 19.2925, 39.4805

Monochromacy



Original Color

18.7233, 19.4267, 61.7944

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.9366, 13.5842, 26.0376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7233, 19.4267, 61.7944 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, 126, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 207)  
}
```

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, 126, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 207) }
```

Border

The CSS property to change the border of an element to XYZ 18.7233, 19.4267, 61.7944 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, 126, 207) }
```


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

```
.border{ border-color:rgb(0, 126, 207) }
```

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

Here you see how a box with a 4 pixel rgb(0, 126, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7233, 19.4267, 61.7944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 207) }
```

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

```
.background{ background-color: rgb(0, 126,  
207) }
```

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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