

Converting Colors

XYZ(18.7885, 19.2996, 62.6099)

Have a look what the booklet for
XYZ(18.7885, 19.2996, 62.6099)
contains.

XYZ(18.7188, 19.2213, 62.3980)	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(18.7188, 19.2213,
62.3980)**

Conversions

Conversions Part 1

Format	Color
Hex	007DD0
RGB	0, 125, 208
RGB Percent	0%, 49%, 82%
CMY	0.9998, 0.5098, 0.1843
CMYK	1.00, 0.40, 0.00, 0.18
HSL	204°, 100%, 41%
HSV	204°, 100%, 82%
XYZ	18.7188, 19.2213, 62.3980
YIQ	97.0870, -101.1430, -0.6870

Conversions

Conversions Part 2

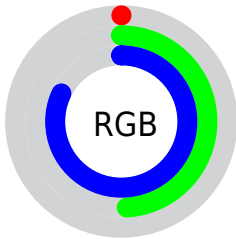
Format	Color
RYB	0, 78, 208
Decimal	32208
CIELab	50.95, 2.35, -50.70
CIElCh	51, 50.756, 272.651
Yxy	19.2213, 0.1866, 0.1916
Android (android.graphics.Color)	4278222288 (0xFF007DD0)
YUV	97.0870, 54.6801, -85.1453
Hunter-Lab	43.8421, -0.5114, -53.6947

Details

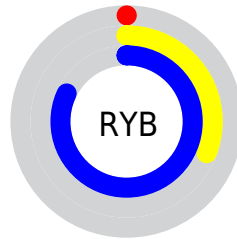
The XYZ color **18.7188, 19.2213, 62.3980** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **29.1100, 19.6042, 2.2512**, and the grayscale version is **11.2753, 11.8625, 12.9182**.

A 20% lighter version of the original color is **39.0277, 41.3736, 100.5367**, and **8.4036, 7.6077, 31.1625** is the 20% darker color. If you saturate the color by 10%, you get **18.7165, 19.2165, 62.3976**, and if you desaturate by 10%, it is **20.1204, 21.5700, 62.7779**.

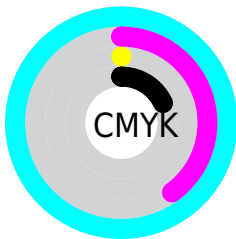
Distribution



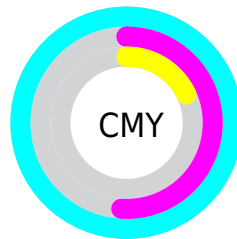
- Red (0%)
- Green (49%)
- Blue (82%)



- Red (0%)
- Yellow (31%)
- Blue (82%)



- Cyan (100%)
- Magenta (40%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (51%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7188, 19.2213, 62.3980 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 18.7188, 19.2213, 62.3980 by changing the saturation by 10% instead.

■ 18.7188, 19.2213,
62.3980

■ 18.7188, 19.2213,
62.3980

237.8600,
247.6678, 451.4291

■ 11.5701, 11.8303,
44.9165

■ 40.7790, 42.1077,
109.8777

■ 6.5218, 6.6282,
31.0492

■ 56.4211, 58.3719,
140.7130

■ 3.2085, 3.2307,
20.3775

■ 75.6250, 78.3626,
176.8367

■ 1.2650, 1.2533,
12.4830

■ 98.7562, 102.4642,
218.6672

■ 0.1568, 0.1046,
6.9470

■ 126.1799,
131.0612, 266.6232

■ 0.0000, 0.0000,
3.3510

158.2616,

■ 0.0000, 0.0000,

164.5378, 321.1231

1.2765

195.3665,
203.2785, 382.5856

■ 0.0000, 0.0000,
0.0425

■ 0.0000, 0.0000,
0.0000

■ 18.7188, 19.2213,
62.3980

■ 18.7188, 19.2213,
62.3980

■ 18.7165, 19.2165,
62.3976

■ 20.1204, 21.5700,
62.7779

■ 21.9402, 24.2676,
63.2027

■ 24.2917, 27.3758,
63.6787

■ 27.2372, 30.9295,
64.2094

■ 30.8293, 34.9587,
64.7978

■ 35.1144, 39.4899,
65.4465

■ 40.1344, 44.5474,
66.1582

■ 45.9276, 50.1535,
66.9349

■ 52.5293, 56.3289,
67.7789

Harmonies

Analogous

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



14.1886, 19.2213, 56.2781



18.7188, 19.2213, 62.3980



23.9797, 19.2213, 53.8447

Triad

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



18.7188, 19.2213, 62.3980



27.6478, 19.2213, 9.2873



10.9745, 19.2213, 10.6345

Complementary

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



18.7188, 19.2213, 62.3980



29.1100, 19.6042, 2.2512

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.



13.5460, 19.2213, 5.2269



18.7188, 19.2213, 62.3980



23.0657, 19.2213, 4.7367

Square

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



18.7188, 19.2213, 62.3980



29.6907, 19.2213, 19.6775



17.8270, 19.2213, 3.6898



10.2321, 19.2213, 22.2319

Rectangle

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



18.7188, 19.2213, 62.3980



27.0546, 19.2213, 42.5445



17.8270, 19.2213, 3.6898



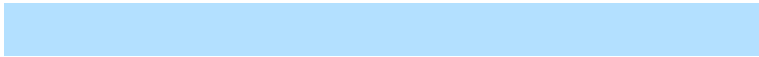
11.6272, 19.2213, 8.2499

Sweetspot

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



18.7196, 19.2219, 62.3985



63.3062, 70.3066, 104.8417



23.9959, 45.6881, 15.0978



12.7963, 14.2970, 22.3351



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.



18.7196, 19.2219, 62.3985



29.4775, 30.0750, 98.8592



11.7190, 5.2206, 60.0650



11.7460, 12.5822, 15.0532



11.7618, 12.1702, 38.9217



0.7341, 0.8334, 2.2017

Inverse Universe

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



29.7149, 14.8918, 20.7106



47.0081, 23.5672, 32.3042



43.0994, 47.5831, 6.9143



12.1027, 11.9258, 13.8165



18.5675, 9.2999, 13.1608



1.0768, 0.5354, 0.9391

Previews

White Background



This preview shows how the XYZ color 18.7188, 19.2213, 62.3980 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 18.7188, 19.2213, 62.3980 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 18.7188, 19.2213, 62.3980

Background



This preview shows how black text looks on a background with the XYZ color 18.7188, 19.2213, 62.3980.



This preview shows how white text looks on a background with the XYZ color 18.7188, 19.2213,

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

18.7188, 19.2213, 62.3980

Protanopia

20.8588, 19.1523, 57.8557

Deuteranopia

19.8843, 19.2526, 62.9897



Tritanopia

13.5591, 19.0638, 29.3506

Trichromacy



Original Color

18.7188, 19.2213, 62.3980

Protanomaly

19.3120, 18.8466, 59.7466

Deuteranomaly

19.2188, 19.0927, 62.9939

Tritanomaly

15.0914, 19.0226, 39.4356

Monochromacy



Original Color

18.7188, 19.2213, 62.3980

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.7597, 13.3457, 25.6231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7188, 19.2213, 62.3980 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, 208)` looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 208)  
}
```

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, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 208) }
```

Border

The CSS property to change the border of an element to XYZ 18.7188, 19.2213, 62.3980 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, 208) }
```


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

```
.border{ border-color:rgb(0, 125, 208) }
```

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, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 208);  
box-shadow:4px 4px 4px 4px rgb(0, 125,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7188, 19.2213, 62.3980 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, 208) }
```

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

```
.background{ background-color: rgb(0, 125,  
208) }
```

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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