

Converting Colors

XYZ(7.2225, 13.7992, 56.2127)

Have a look what the booklet for
XYZ(7.2225, 13.7992, 56.2127)
contains.

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Color

**XYZ(17.8982, 19.3023,
56.8152)**

Conversions

Conversions Part 1

Format	Color
Hex	007FC7
RGB	0, 127, 199
RGB Percent	0%, 50%, 78%
CMY	0.9998, 0.5020, 0.2196
CMYK	1.00, 0.36, 0.00, 0.22
HSL	202°, 100%, 39%
HSV	202°, 100%, 78%
XYZ	17.8982, 19.3023, 56.8152
YIQ	97.2350, -98.8040, -4.5320

Conversions

Conversions Part 2

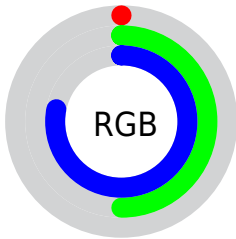
Format	Color
RYB	0, 78, 199
Decimal	32711
CIELab	51.04, -2.37, -45.43
CIELCh	51, 45.492, 267.011
Yxy	19.3023, 0.1904, 0.2053
Android (android.graphics.Color)	4278222791 (0xFF007FC7)
YUV	97.2350, 50.1701, -85.2751
Hunter-Lab	43.9344, -4.1670, -45.9188

Details

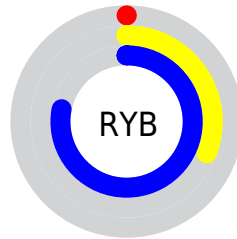
The XYZ color **17.8982, 19.3023, 56.8152** is a dark color, and the websafe version is hex **006699**. The color can be described as dark washed azure. A complement of this color would be **25.8738, 16.7827, 1.8770**, and the grayscale version is **11.3214, 11.9110, 12.9711**.

A 20% lighter version of the original color is **39.0999, 42.0016, 100.6541**, and **7.9068, 7.6363, 27.8453** is the 20% darker color. If you saturate the color by 10%, you get **17.8963, 19.2984, 56.8150**, and if you desaturate by 10%, it is **19.1494, 21.3780, 57.1503**.

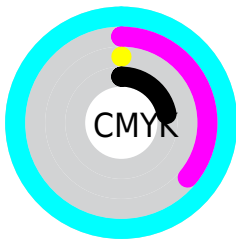
Distribution



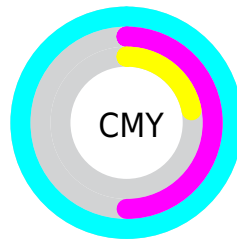
- Red (0%)
- Green (50%)
- Blue (78%)



- Red (0%)
- Yellow (31%)
- Blue (78%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (50%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8982, 19.3023, 56.8152 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 17.8982, 19.3023, 56.8152 by changing the saturation by 10% instead.

■ 17.8982, 19.3023,
56.8152

■ 17.8982, 19.3023,
56.8152

233.3533,
248.1126, 430.2308

■ 10.9762, 11.8889,
40.4485

■ 39.3952, 42.2443,
101.6931

■ 6.1180, 6.6681,
27.5720

■ 54.7009, 58.5417,
131.0415

■ 2.9583, 3.2554,
17.7670

■ 73.5319, 78.5692,
165.5541

■ 1.1317, 1.2665,
10.6152

■ 96.2535, 102.7113,
205.6496

■ 0.0514, 0.1150,
5.6978

■ 123.2311,
131.3522, 251.7465

■ 0.0000, 0.0000,
2.5964

■ 154.8300,

■ 0.0000, 0.0000,

164.8765, 304.2633

0.8906

191.4157,
203.6685, 363.6185

■ 0.0000, 0.0000,
0.0000

■ 17.8982, 19.3023,
56.8152

■ 17.8982, 19.3023,
56.8152

■ 17.8963, 19.2984,
56.8150

■ 19.1494, 21.3780,
57.1503

■ 20.7625, 23.7408,
57.5214

■ 22.8422, 26.4467,
57.9341

■ 25.4434, 29.5260,
58.3913

■ 28.6130, 33.0046,
58.8957

■ 32.3921, 36.9055,
59.4495

■ 36.8177, 41.2496,
60.0547

■ 41.9239, 46.0561,
60.7133

■ 47.7420, 51.3428,
61.4271

Harmonies

Analogous

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



14.0213, 19.3023, 49.4594



17.8982, 19.3023, 56.8152



22.5697, 19.3023, 51.7839

Triad

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



17.8982, 19.3023, 56.8152



27.1993, 19.3023, 11.6411



11.9958, 19.3023, 10.1941

Complementary

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



17.8982, 19.3023, 56.8152



25.8738, 16.7827, 1.8770

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.



14.6856, 19.3023, 5.7546



17.8982, 19.3023, 56.8152



23.4800, 19.3023, 6.3175

Square

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



17.8982, 19.3023, 56.8152



28.4311, 19.3023, 22.3374



18.8017, 19.3023, 4.6994



10.9823, 19.3023, 19.7495

Rectangle

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



17.8982, 19.3023, 56.8152



25.4425, 19.3023, 42.8845



18.8017, 19.3023, 4.6994



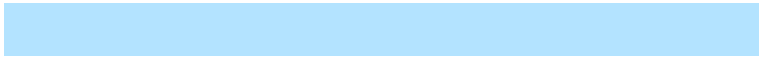
12.7099, 19.3023, 8.2310

Sweetspot

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



17.8990, 19.3029, 56.8157



64.0806, 71.8553, 105.0998



21.5195, 41.2856, 12.5761



12.9808, 14.6661, 22.3966



0.0000, 0.0000, 0.0000



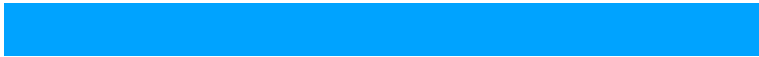
20.3446, 21.4041, 23.3091

Same Dimension

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



17.8990, 19.3029, 56.8157



31.0974, 33.3147, 99.3991



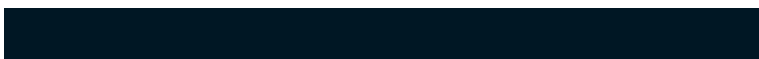
10.7709, 5.0467, 54.4397



10.6115, 11.3970, 13.5580



11.5932, 12.5804, 36.5616



0.6159, 0.7297, 1.7535

Inverse Universe

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



27.3847, 13.6755, 21.2754



47.8257, 23.8943, 36.6099



37.7709, 40.5768, 5.8426



10.9139, 10.7490, 12.5299



17.6511, 8.8100, 13.9042



0.8696, 0.4307, 0.8364

Previews

White Background



This preview shows how the XYZ color 17.8982, 19.3023, 56.8152 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 17.8982, 19.3023, 56.8152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

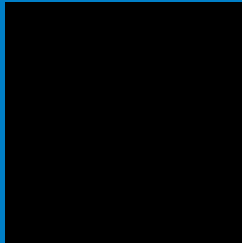
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.8982, 19.3023, 56.8152

Background



This preview shows how black text looks on a background with the XYZ color 17.8982, 19.3023, 56.8152.



This preview shows how white text looks on a background with the XYZ color 17.8982, 19.3023,

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

17.8982, 19.3023, 56.8152

Protanopia

20.6169, 19.3349, 51.9356

Deuteranopia

19.9106, 19.3913, 57.3371



Tritanopia

13.6980, 19.3416, 29.3969

Trichromacy



Original Color

17.8982, 19.3023, 56.8152

Protanomaly

18.5606, 18.7748, 53.6846

Deuteranomaly

18.7152, 19.1433, 57.3522

Tritanomaly

14.9521, 19.1829, 38.0366

Monochromacy



Original Color

17.8982, 19.3023, 56.8152

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.6522, 13.4705, 24.5402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8982, 19.3023, 56.8152 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 127, 199)  
}
```

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, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 199) }
```

Border

The CSS property to change the border of an element to XYZ 17.8982, 19.3023, 56.8152 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, 199) }
```


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

```
.border{ border-color:rgb(0, 127, 199) }
```

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, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 127,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8982, 19.3023, 56.8152 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, 199) }
```

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

```
.background{ background-color: rgb(0, 127,  
199) }
```

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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