

Converting Colors

XYZ(7.8188, 14.2013, 55.3092)

Have a look what the booklet for
XYZ(7.8188, 14.2013, 55.3092)
contains.

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Color

**XYZ(17.6674, 19.2100,
55.6000)**

Conversions

Conversions Part 1

Format	Color
Hex	007FC5
RGB	0, 127, 197
RGB Percent	0%, 50%, 77%
CMY	0.9998, 0.5020, 0.2274
CMYK	1.00, 0.36, 0.00, 0.23
HSL	201°, 100%, 39%
HSV	201°, 100%, 77%
XYZ	17.6674, 19.2100, 55.6000
YIQ	97.0070, -98.1620, -5.1540

Conversions

Conversions Part 2

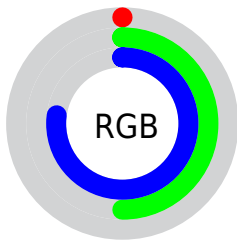
Format	Color
RYB	0, 77, 197
Decimal	32709
CIELab	50.93, -3.15, -44.46
CIELCh	51, 44.569, 265.950
Yxy	19.2100, 0.1910, 0.2077
Android (android.graphics.Color)	4278222789 (0xFF007FC5)
YUV	97.0070, 49.2965, -85.0751
Hunter-Lab	43.8292, -4.7484, -44.5325

Details

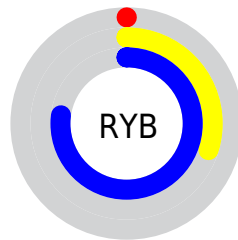
The XYZ color **17.6674, 19.2100, 55.6000** is a dark color, and the websafe version is hex **006699**. The color can be described as dark washed azure. A complement of this color would be **25.2189, 16.2557, 1.8096**, and the grayscale version is **11.2673, 11.8540, 12.9090**.

A 20% lighter version of the original color is **38.9393, 41.9373, 99.8083**, and **7.6823, 7.4319, 27.0162** is the 20% darker color. If you saturate the color by 10%, you get **17.6658, 19.2067, 55.5999**, and if you desaturate by 10%, it is **18.8868, 21.2282, 55.9257**.

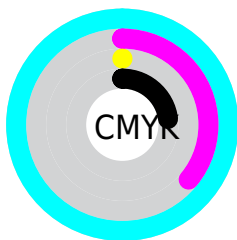
Distribution



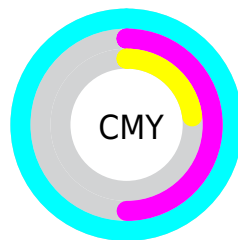
- Red (0%)
- Green (50%)
- Blue (77%)



- Red (0%)
- Yellow (30%)
- Blue (77%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (23%)



- Cyan (100%)
- Magenta (50%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6674, 19.2100, 55.6000 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 17.6674, 19.2100, 55.6000 by changing the saturation by 10% instead.

■ 17.6674, 19.2100,
55.6000

■ 17.6674, 19.2100,
55.6000

■ 232.0716,
247.6056, 425.5282

■ 10.8097, 11.8221,
39.4805

■ 39.0043, 42.0886,
99.8994

■ 6.0054, 6.6227,
26.8230

■ 54.2142, 58.3482,
128.9164

■ 2.8890, 3.2273,
17.2091

■ 72.9389, 78.3338,
163.0697

■ 1.0954, 1.2515,
10.2201

■ 95.5438, 102.4298,
202.7777

■ 0.0212, 0.1032,
5.4377

■ 122.3941,
131.0205, 248.4590

■ 0.0000, 0.0000,
2.4431

■ 153.8553,

■ 0.0000, 0.0000,

164.4905, 300.5321

0.8098

190.2927,
203.2241, 359.4157

■ 0.0000, 0.0000,
0.0000

■ 17.6674, 19.2100,
55.6000

■ 17.6674, 19.2100,
55.6000

■ 17.6658, 19.2067,
55.5999

■ 18.8868, 21.2282,
55.9257

■ 20.4570, 23.5222,
56.2857

■ 22.4808, 26.1468,
56.6857

■ 25.0117, 29.1316,
57.1284

■ 28.0953, 32.5016,
57.6163

■ 31.7717, 36.2791,
58.1517

■ 36.0769, 40.4843,
58.7365

■ 41.0440, 45.1359,
59.3725

■ 46.7035, 50.2511,
60.0616

Harmonies

Analogous

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



13.9185, 19.2100, 48.1072



17.6674, 19.2100, 55.6000



22.2174, 19.2100, 51.1515

Triad

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



17.6674, 19.2100, 55.6000



26.9734, 19.2100, 12.0028



12.1064, 19.2100, 10.0698

Complementary

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



17.6674, 19.2100, 55.6000



25.2189, 16.2557, 1.8096

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.



14.8003, 19.2100, 5.8167



17.6674, 19.2100, 55.6000



23.4182, 19.2100, 6.5768

Square

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



17.6674, 19.2100, 55.6000



28.0671, 19.2100, 22.6751



18.8627, 19.2100, 4.8593



11.0515, 19.2100, 19.2511

Rectangle

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



17.6674, 19.2100, 55.6000



25.0409, 19.2100, 42.6963



18.8627, 19.2100, 4.8593



12.8268, 19.2100, 8.1861

Sweetspot

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



17.6682, 19.2106, 55.6005



64.2168, 72.1277, 105.1452



21.0403, 40.3624, 12.3081



13.0133, 14.7311, 22.4075



0.0000, 0.0000, 0.0000



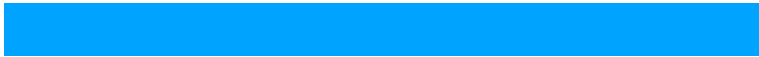
20.3446, 21.4041, 23.3091

Same Dimension

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



17.6682, 19.2106, 55.6005



31.3925, 33.9049, 99.4975



10.5324, 4.9391, 53.2219



10.6173, 11.4087, 13.5600



11.7007, 12.7953, 36.5974



0.6205, 0.7388, 1.7550

Inverse Universe

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



26.8574, 13.4036, 21.2508



47.9747, 23.9539, 37.3943



36.9288, 39.6755, 5.7129



10.9169, 10.7501, 12.5456



17.7053, 8.8317, 14.1899



0.8719, 0.4316, 0.8486

Previews

White Background



This preview shows how the XYZ color 17.6674, 19.2100, 55.6000 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 17.6674, 19.2100, 55.6000 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 17.6674, 19.2100, 55.6000

Background



This preview shows how black text looks on a background with the XYZ color 17.6674, 19.2100, 55.6000.



This preview shows how white text looks on a background with the XYZ color 17.6674, 19.2100,

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

17.6674, 19.2100, 55.6000

Protanopia

20.2798, 19.0107, 50.7447

Deuteranopia

19.7029, 19.1297, 56.0800



Tritanopia

13.5591, 19.0638, 29.3506

Trichromacy



Original Color

17.6674, 19.2100, 55.6000

Protanomaly

18.2153, 18.4412, 52.4686

Deuteranomaly

18.4027, 18.8240, 56.0895

Tritanomaly

14.7272, 18.8769, 37.5177

Monochromacy



Original Color

17.6674, 19.2100, 55.6000

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.5828, 13.4427, 24.1745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6674, 19.2100, 55.6000 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, 197)` looks like.

```
.text, #text, p{  
    color:rgb(0, 127, 197)  
}
```

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, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 197) }
```

Border

The CSS property to change the border of an element to XYZ 17.6674, 19.2100, 55.6000 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, 197) }
```


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

```
.border{ border-color:rgb(0, 127, 197) }
```

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, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 197);  
box-shadow:4px 4px 4px 4px rgb(0, 127,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6674, 19.2100, 55.6000 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, 197) }
```

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

```
.background{ background-color: rgb(0, 127,  
197) }
```

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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