

Converting Colors

XYZ(17.1195, 18.7736, 55.9992)

Have a look what the booklet for
XYZ(17.1195, 18.7736, 55.9992)
contains.

XYZ(17.6539, 18.9989, 56.1628)	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(17.6539, 18.9989,
56.1628)**

Conversions

Conversions Part 1

Format	Color
Hex	007EC6
RGB	0, 126, 198
RGB Percent	0%, 49%, 78%
CMY	0.9998, 0.5059, 0.2235
CMYK	1.00, 0.36, 0.00, 0.22
HSL	202°, 100%, 39%
HSV	202°, 100%, 78%
XYZ	17.6539, 18.9989, 56.1628
YIQ	96.5340, -98.2080, -4.3200

Conversions

Conversions Part 2

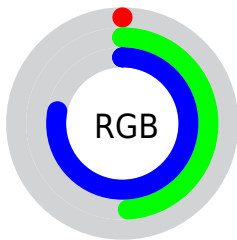
Format	Color
RYB	0, 77, 198
Decimal	32454
CIELab	50.69, -2.16, -45.42
CIElCh	51, 45.471, 267.278
Yxy	18.9989, 0.1902, 0.2047
Android (android.graphics.Color)	4278222534 (0xFF007EC6)
YUV	96.5340, 50.0227, -84.6603
Hunter-Lab	43.5877, -3.9825, -45.8838

Details

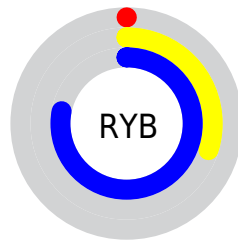
The XYZ color **17.6539, 18.9989, 56.1628** is a dark color, and the websafe version is hex **006699**. The color can be described as dark washed azure. A complement of this color would be **25.6094, 16.6464, 1.8646**, and the grayscale version is **11.1506, 11.7313, 12.7754**.

A 20% lighter version of the original color is **38.9002, 41.6022, 100.5875**, and **7.7584, 7.4624, 27.4170** is the 20% darker color. If you saturate the color by 10%, you get **17.6520, 18.9951, 56.1626**, and if you desaturate by 10%, it is **18.8938, 21.0549, 56.4947**.

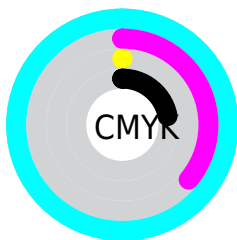
Distribution



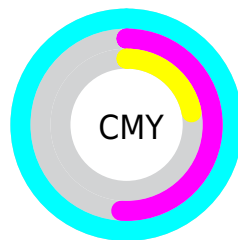
- Red (0%)
- Green (49%)
- Blue (78%)



- Red (0%)
- Yellow (30%)
- Blue (78%)



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



- Cyan (100%)
- Magenta (51%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6539, 18.9989, 56.1628 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 17.6539, 18.9989, 56.1628 by changing the saturation by 10% instead.

■ 17.6539, 18.9989,
56.1628

■ 17.6539, 18.9989,
56.1628

■ 231.9965,
246.4427, 427.7103

■ 10.8000, 11.6695,
39.9286

■ 38.9814, 41.7322,
100.7307

■ 5.9988, 6.5190,
27.1695

■ 54.1857, 57.9050,
129.9015

■ 2.8850, 3.1632,
17.4670

■ 72.9042, 77.7942,
164.2216

■ 1.0932, 1.2175,
10.4025

■ 95.5022, 101.7844,
204.1096

■ 0.0195, 0.0759,
5.5576

■ 122.3450,
130.2600, 249.9838

■ 0.0000, 0.0000,
2.5136

■ 153.7981,

■ 0.0000, 0.0000,

163.6053, 302.2630

0.8473

190.2268,
202.2047, 361.3657

■ 0.0000, 0.0000,
0.0000

■ 17.6539, 18.9989,
56.1628

■ 17.6539, 18.9989,
56.1628

■ 17.6520, 18.9951,
56.1626

■ 18.8938, 21.0549,
56.4947

■ 20.4917, 23.3958,
56.8623

■ 22.5514, 26.0770,
57.2713

■ 25.1273, 29.1286,
57.7246

■ 28.2655, 32.5762,
58.2246

■ 32.0068, 36.4425,
58.7737

■ 36.3877, 40.7482,
59.3739

■ 41.4417, 45.5123,
60.0271

■ 47.2001, 50.7523,
60.7350

Harmonies

Analogous

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



13.8101, 18.9989, 48.9675



17.6539, 18.9989, 56.1628



22.2772, 18.9989, 51.0673

Triad

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



17.6539, 18.9989, 56.1628



26.7960, 18.9989, 11.3537



11.7650, 18.9989, 10.0533

Complementary

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



17.6539, 18.9989, 56.1628



25.6094, 16.6464, 1.8646

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.



14.4081, 18.9989, 5.6416



17.6539, 18.9989, 56.1628



23.0980, 18.9989, 6.1462

Square

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



17.6539, 18.9989, 56.1628



28.0421, 18.9989, 21.8743



18.4680, 18.9989, 4.5800



10.7790, 18.9989, 19.5426

Rectangle

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



17.6539, 18.9989, 56.1628



25.1139, 18.9989, 42.2057



18.4680, 18.9989, 4.5800



12.4653, 18.9989, 8.1032

Sweetspot

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



17.6547, 18.9995, 56.1633



64.0422, 71.7786, 105.0870



21.2792, 40.8226, 12.4420



12.9717, 14.6478, 22.3936



0.0000, 0.0000, 0.0000



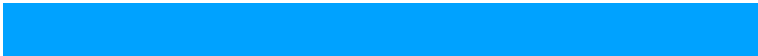
20.3446, 21.4041, 23.3091

Same Dimension

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



17.6547, 18.9995, 56.1633



31.0149, 33.1497, 99.3716



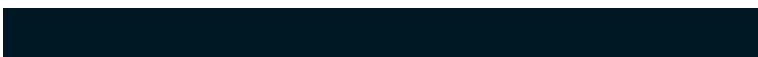
10.6513, 4.9929, 53.8289



10.6098, 11.3937, 13.5575



11.5632, 12.5203, 36.5516



0.6146, 0.7271, 1.7531

Inverse Universe

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



27.0553, 13.5132, 20.9213



47.7841, 23.8776, 36.3906



37.3486, 40.1248, 5.7777



10.9131, 10.7486, 12.5255



17.6359, 8.8039, 13.8244



0.8689, 0.4304, 0.8330

Previews

White Background



This preview shows how the XYZ color 17.6539, 18.9989, 56.1628 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 17.6539, 18.9989, 56.1628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

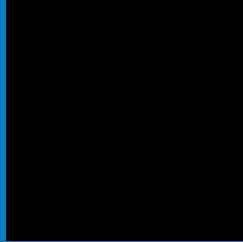
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.6539, 18.9989, 56.1628

Background



This preview shows how black text looks on a background with the XYZ color 17.6539, 18.9989, 56.1628.



This preview shows how white text looks on a background with the XYZ color 17.6539, 18.9989,

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

17.6539, 18.9989, 56.1628

Protanopia

20.3966, 19.0456, 51.8914

Deuteranopia

19.5301, 19.0272, 56.6761



Tritanopia

13.4830, 19.0334, 28.9498

Trichromacy



Original Color

17.6539, 18.9989, 56.1628

Protanomaly

18.3786, 18.4996, 53.6411

Deuteranomaly

18.3880, 18.8030, 56.6930

Tritanomaly

14.7272, 18.8769, 37.5177

Monochromacy



Original Color

17.6539, 18.9989, 56.1628

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 17.6539, 18.9989, 56.1628 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, 198)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 198)  
}
```

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, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 198) }
```

Border

The CSS property to change the border of an element to XYZ 17.6539, 18.9989, 56.1628 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, 198) }
```


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

```
.border{ border-color:rgb(0, 126, 198) }
```

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, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6539, 18.9989, 56.1628 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, 198) }
```

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

```
.background{ background-color: rgb(0, 126,  
198) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor