

Converting Colors

XYZ(7.5577, 13.7751, 56.0628)

Have a look what the booklet for
XYZ(7.5577, 13.7751, 56.0628)
contains.

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Color

**XYZ(17.7697, 19.0452,
56.7724)**

Conversions

Conversions Part 1

Format	Color
Hex	007EC7
RGB	0, 126, 199
RGB Percent	0%, 49%, 78%
CMY	0.9998, 0.5059, 0.2196
CMYK	1.00, 0.37, 0.00, 0.22
HSL	202°, 100%, 39%
HSV	202°, 100%, 78%
XYZ	17.7697, 19.0452, 56.7724
YIQ	96.6480, -98.5290, -4.0090

Conversions

Conversions Part 2

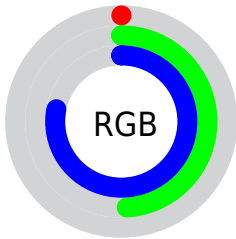
Format	Color
RYB	0, 77, 199
Decimal	32455
CIELab	50.74, -1.77, -45.90
CIElCh	51, 45.939, 267.791
Yxy	19.0452, 0.1899, 0.2035
Android (android.graphics.Color)	4278222535 (0xFF007EC7)
YUV	96.6480, 50.4595, -84.7603
Hunter-Lab	43.6408, -3.6896, -46.5819

Details

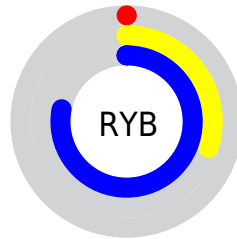
The XYZ color **17.7697, 19.0452, 56.7724** is a dark color, and the websafe version is hex **006699**. The color can be described as dark washed azure. A complement of this color would be **25.9394, 16.9139, 1.8990**, and the grayscale version is **11.1776, 11.7598, 12.8064**.

A 20% lighter version of the original color is **38.9002, 41.6022, 100.5875**, and **7.8352, 7.4931, 27.8214** is the 20% darker color. If you saturate the color by 10%, you get **17.7675, 19.0409, 56.7721**, and if you desaturate by 10%, it is **19.0254, 21.1298, 57.1090**.

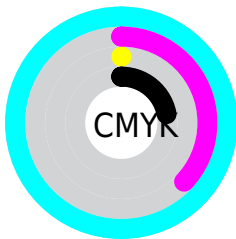
Distribution



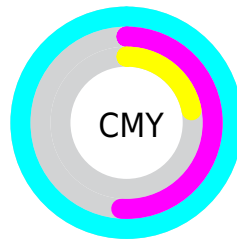
- Red (0%)
- Green (49%)
- Blue (78%)



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



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (22%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7697, 19.0452, 56.7724 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 17.7697, 19.0452, 56.7724 by changing the saturation by 10% instead.

■ 17.7697, 19.0452,
56.7724

■ 17.7697, 19.0452,
56.7724

■ 232.6405,
246.6982, 430.0657

■ 10.8835, 11.7029,
40.4144

■ 39.1777, 41.8105,
101.6300

■ 6.0552, 6.5417,
27.5455

■ 54.4301, 58.0023,
130.9668

■ 2.9197, 3.1772,
17.7473

■ 73.2020, 77.9127,
165.4668

■ 1.1114, 1.2249,
10.6012

■ 95.8587, 101.9261,
205.5487

■ 0.0346, 0.0819,
5.6886

■ 122.7655,
130.4270, 251.6310

■ 0.0000, 0.0000,
2.5909

■ 154.2879,

■ 0.0000, 0.0000,

163.7997, 304.1323

0.8878

190.7911,
202.4287, 363.4710

■ 0.0000, 0.0000,
0.0000

■ 17.7697, 19.0452,
56.7724

■ 17.7697, 19.0452,
56.7724

■ 17.7675, 19.0409,
56.7721

■ 19.0254, 21.1298,
57.1090

■ 20.6448, 23.5050,
57.4821

■ 22.7325, 26.2268,
57.8975

■ 25.3436, 29.3258,
58.3580

■ 28.5250, 32.8279,
58.8663

■ 32.3179, 36.7562,
59.4246

■ 36.7594, 41.1318,
60.0351

■ 41.8834, 45.9738,
60.6996

■ 47.7215, 51.3002,
61.4200

Harmonies

Analogous

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



13.8618, 19.0452, 49.6493



17.7697, 19.0452, 56.7724



22.4538, 19.0452, 51.3822

Triad

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



17.7697, 19.0452, 56.7724



26.9086, 19.0452, 11.1787



11.7110, 19.0452, 10.1161

Complementary

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



17.7697, 19.0452, 56.7724



25.9394, 16.9139, 1.8990

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.



14.3521, 19.0452, 5.6117



17.7697, 19.0452, 56.7724



23.1288, 19.0452, 6.0218

Square

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



17.7697, 19.0452, 56.7724



28.2240, 19.0452, 21.7090



18.4382, 19.0452, 4.5031



10.7454, 19.0452, 19.7944

Rectangle

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



17.7697, 19.0452, 56.7724



25.3151, 19.0452, 42.2986



18.4382, 19.0452, 4.5031



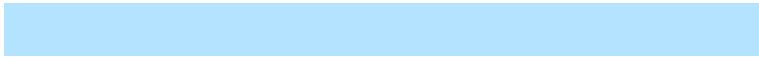
12.4082, 19.0452, 8.1263

Sweetspot

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



17.7705, 19.0458, 56.7729



63.9751, 71.6443, 105.0646



21.6267, 41.3285, 13.1403



12.9556, 14.6158, 22.3882



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.



17.7705, 19.0458, 56.7729



30.8710, 32.8619, 99.3237



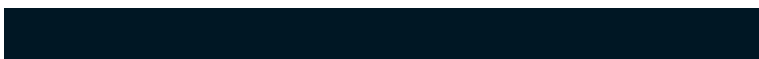
10.6918, 4.8884, 54.4133



10.6069, 11.3879, 13.5565



11.5108, 12.4154, 36.5341



0.6124, 0.7226, 1.7523

Inverse Universe

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



27.3199, 13.6497, 20.9337



47.7114, 23.8486, 36.0081



38.3965, 41.8281, 6.0513



10.9116, 10.7480, 12.5178



17.6094, 8.7933, 13.6850



0.8678, 0.4300, 0.8270

Previews

White Background



This preview shows how the XYZ color 17.7697, 19.0452, 56.7724 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 17.7697, 19.0452, 56.7724 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 17.7697, 19.0452, 56.7724

Background



This preview shows how black text looks on a background with the XYZ color 17.7697, 19.0452, 56.7724.



This preview shows how white text looks on a background with the XYZ color 17.7697, 19.0452,

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

17.7697, 19.0452, 56.7724

Protanopia

20.4065, 19.0379, 52.4683

Deuteranopia

19.5774, 19.0382, 57.2865



Tritanopia

13.4830, 19.0334, 28.9498

Trichromacy



Original Color

17.7697, 19.0452, 56.7724

Protanomaly

18.4913, 18.5447, 54.2346

Deuteranomaly

18.5045, 18.8496, 57.3066

Tritanomaly

14.7272, 18.8769, 37.5177

Monochromacy



Original Color

17.7697, 19.0452, 56.7724

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 17.7697, 19.0452, 56.7724 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 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, 126, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 199) }
```

Border

The CSS property to change the border of an element to XYZ 17.7697, 19.0452, 56.7724 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, 199) }
```


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

```
.border{ border-color:rgb(0, 126, 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, 126, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7697, 19.0452, 56.7724 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, 199) }
```

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

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