

Converting Colors

XYZ(13.3244, 16.6140, 56.4180)

Have a look what the booklet for
XYZ(13.3244, 16.6140, 56.4180)
contains.

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Color

**XYZ(17.6424, 18.7908,
56.7300)**

Conversions

Conversions Part 1

Format	Color
Hex	007DC7
RGB	0, 125, 199
RGB Percent	0%, 49%, 78%
CMY	0.9998, 0.5098, 0.2196
CMYK	1.00, 0.37, 0.00, 0.22
HSL	202°, 100%, 39%
HSV	202°, 100%, 78%
XYZ	17.6424, 18.7908, 56.7300
YIQ	96.0610, -98.2540, -3.4860

Conversions

Conversions Part 2

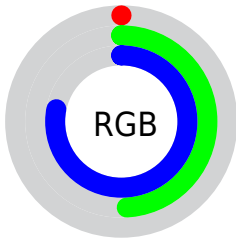
Format	Color
RYB	0, 77, 199
Decimal	32199
CIELab	50.44, -1.17, -46.38
CIELCh	50, 46.394, 268.557
Yxy	18.7908, 0.1894, 0.2017
Android (android.graphics.Color)	4278222279 (0xFF007DC7)
YUV	96.0610, 50.7489, -84.2455
Hunter-Lab	43.3484, -3.2117, -47.2490

Details

The XYZ color **17.6424, 18.7908, 56.7300** 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 **26.0049, 17.0449, 1.9205**, and the grayscale version is **11.0340, 11.6086, 12.6417**.

A 20% lighter version of the original color is **38.7019, 41.2057, 100.5214**, and **7.7647, 7.3521, 27.7979** is the 20% darker color. If you saturate the color by 10%, you get **17.6409, 18.7875, 56.7299**, and if you desaturate by 10%, it is **18.9021, 20.8836, 57.0680**.

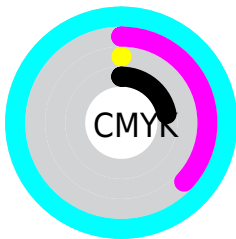
Distribution



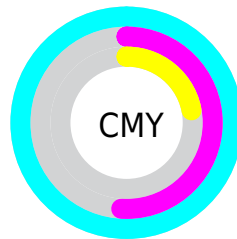
- Red (0%)
- Green (49%)
- Blue (78%)



- 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 17.6424, 18.7908, 56.7300 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 17.6424, 18.7908, 56.7300 by changing the saturation by 10% instead.

■ 17.6424, 18.7908,
56.7300

■ 17.6424, 18.7908,
56.7300

231.9324,
245.2914, 429.9022

■ 10.7917, 11.5192,
40.3806

■ 38.9619, 41.3803,
101.5675

■ 5.9932, 6.4172,
27.5194

■ 54.1614, 57.4670,
130.8927

■ 2.8816, 3.1004,
17.7278

■ 72.8746, 77.2609,
165.3803

■ 1.0914, 1.1844,
10.5873

■ 95.4667, 101.1463,
205.4487

■ 0.0179, 0.0489,
5.6794

■ 122.3032,
129.5077, 251.5166

■ 0.0000, 0.0000,
2.5855

■ 153.7494,

■ 0.0000, 0.0000,

162.7294, 304.0024

0.8850

190.1707,
201.1958, 363.3248

■ 0.0000, 0.0000,
0.0000

■ 17.6424, 18.7908,
56.7300

■ 17.6424, 18.7908,
56.7300

■ 17.6409, 18.7875,
56.7299

■ 18.9021, 20.8836,
57.0680

■ 20.5272, 23.2704,
57.4430

■ 22.6223, 26.0075,
57.8609

■ 25.2427, 29.1254,
58.3246

■ 28.4353, 32.6502,
58.8367

■ 32.2413, 36.6052,
59.3995

■ 36.6979, 41.0114,
60.0151

■ 41.8390, 45.8882,
60.6854

■ 47.6964, 51.2537,
61.4124

Harmonies

Analogous

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



13.7041, 18.7908, 49.8406



17.6424, 18.7908, 56.7300



22.3390, 18.7908, 50.9825

Triad

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



17.6424, 18.7908, 56.7300



26.6203, 18.7908, 10.7289



11.4311, 18.7908, 10.0391

Complementary

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



17.6424, 18.7908, 56.7300



26.0049, 17.0449, 1.9205

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.



14.0238, 18.7908, 5.4716



17.6424, 18.7908, 56.7300



22.7814, 18.7908, 5.7356

Square

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



17.6424, 18.7908, 56.7300



28.0184, 18.7908, 21.0924



18.0796, 18.7908, 4.3126



10.5123, 18.7908, 19.8403

Rectangle

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



17.6424, 18.7908, 56.7300



25.1888, 18.7908, 41.7179



18.0796, 18.7908, 4.3126



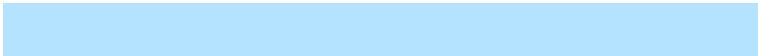
12.1116, 18.7908, 8.0230

Sweetspot

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



17.6432, 18.7914, 56.7305



63.8706, 71.4353, 105.0298



21.6264, 41.3284, 13.1392



12.9307, 14.5659, 22.3799



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.



17.6432, 18.7914, 56.7305



30.6483, 32.4167, 99.2494



10.6914, 4.8879, 54.4133



10.6024, 11.3788, 13.5550



11.4296, 12.2532, 36.5070



0.6089, 0.7156, 1.7512

Inverse Universe

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



27.2556, 13.6238, 20.5956



47.5991, 23.8036, 35.4164



38.3962, 41.8275, 6.0509



10.9093, 10.7471, 12.5058



17.5685, 8.7770, 13.4693



0.8661, 0.4293, 0.8178

Previews

White Background



This preview shows how the XYZ color 17.6424, 18.7908, 56.7300 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 17.6424, 18.7908, 56.7300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

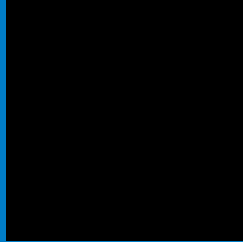
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.6424, 18.7908, 56.7300

Background



This preview shows how black text looks on a background with the XYZ color 17.6424, 18.7908, 56.7300.



This preview shows how white text looks on a background with the XYZ color 17.6424, 18.7908,

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

17.6424, 18.7908, 56.7300

Protanopia

20.1901, 18.7525, 52.4246

Deuteranopia

19.3218, 18.7269, 57.2399



Tritanopia

13.2700, 18.7281, 28.5067

Trichromacy



Original Color

17.6424, 18.7908, 56.7300

Protanomaly

18.3117, 18.2726, 54.1916

Deuteranomaly

18.2993, 18.5606, 57.2617

Tritanomaly

14.5935, 18.6096, 37.4732

Monochromacy



Original Color

17.6424, 18.7908, 56.7300

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.4158, 13.2009, 24.1367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6424, 18.7908, 56.7300 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, 199)` looks like.

```
.text, #text, p{
  color:rgb(0, 125, 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, 125, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 199) }
```

Border

The CSS property to change the border of an element to XYZ 17.6424, 18.7908, 56.7300 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, 199) }
```


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

```
.border{ border-color:rgb(0, 125, 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, 125, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 125,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6424, 18.7908, 56.7300 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, 199) }
```

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

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