

Converting Colors

XYZ(12.8980, 16.0438, 56.8623)

Have a look what the booklet for
XYZ(12.8980, 16.0438, 56.8623)
contains.

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Color

**XYZ(17.5083, 18.3360,
57.2600)**

Conversions

Conversions Part 1

Format	Color
Hex	007BC8
RGB	0, 123, 200
RGB Percent	0%, 48%, 78%
CMY	0.9998, 0.5176, 0.2157
CMYK	1.00, 0.38, 0.00, 0.22
HSL	203°, 100%, 39%
HSV	203°, 100%, 78%
XYZ	17.5083, 18.3360, 57.2600
YIQ	95.0010, -98.0250, -2.1290

Conversions

Conversions Part 2

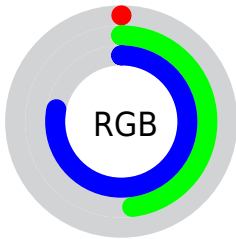
Format	Color
RYB	0, 76, 200
Decimal	31688
CIELab	49.90, 0.44, -47.81
CIELCh	50, 47.813, 270.523
Yxy	18.3360, 0.1881, 0.1969
Android (android.graphics.Color)	4278221768 (0xFF007BC8)
YUV	95.0010, 51.7645, -83.3159
Hunter-Lab	42.8206, -1.9516, -49.3087

Details

The XYZ color **17.5083, 18.3360, 57.2600** is a dark color, and the websafe version is hex **336699**. The color can be described as dark washed azure. A complement of this color would be **26.4771, 17.5941, 2.0019**, and the grayscale version is **10.7780, 11.3393, 12.3484**.

A 20% lighter version of the original color is **38.3097, 40.4213, 100.3907**, and **7.6269, 7.0765, 27.7520** is the 20% darker color. If you saturate the color by 10%, you get **17.5061, 18.3316, 57.2597**, and if you desaturate by 10%, it is **18.7913, 20.4722, 57.6051**.

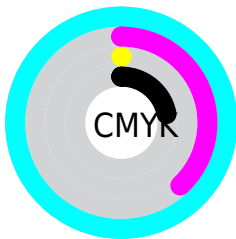
Distribution



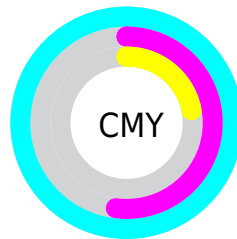
- Red (0%)
- Green (48%)
- Blue (78%)



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



- Cyan (100%)
- Magenta (38%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (52%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5083, 18.3360, 57.2600 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 17.5083, 18.3360, 57.2600 by changing the saturation by 10% instead.

■ 17.5083, 18.3360,
57.2600

■ 17.5083, 18.3360,
57.2600

231.1844,
242.7581, 431.9438

■ 10.6951, 11.1915,
40.8033

■ 38.7344, 40.6090,
102.3486

■ 5.9280, 6.1958,
27.8469

■ 53.8779, 56.5063,
131.8175

■ 2.8416, 2.9645,
17.9722

■ 72.5290, 76.0900,
166.4609

■ 1.0705, 1.1132,
10.7608

■ 95.0529, 99.7445,
206.6973

■ 0.0003, 0.0000,
5.7941

■ 121.8151,
127.8542, 252.9452

■ 0.0000, 0.0000,
2.6535

■ 153.1808,

■ 0.0000, 0.0000,

160.8034, 305.6233

0.9199

189.5154,
198.9766, 365.1500

■ 0.0000, 0.0000,
0.0000

■ 17.5083, 18.3360,
57.2600

■ 17.5083, 18.3360,
57.2600

■ 17.5061, 18.3316,
57.2597

■ 18.7913, 20.4722,
57.6051

■ 20.4490, 22.9155,
57.9894

■ 22.5871, 25.7229,
58.4185

■ 25.2617, 28.9256,
58.8958

■ 28.5205, 32.5506,
59.4237

■ 32.4053, 36.6215,
60.0047

■ 36.9539, 41.1600,
60.6410

■ 42.2010, 46.1860,
61.3346

■ 48.1786, 51.7181,
62.0873

Harmonies

Analogous

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



13.4461, 18.3360, 50.9254



17.5083, 18.3360, 57.2600



22.2904, 18.3360, 50.4970

Triad

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



17.5083, 18.3360, 57.2600



26.1611, 18.3360, 9.7050



10.8343, 18.3360, 9.9535

Complementary

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



17.5083, 18.3360, 57.2600



26.4771, 17.5941, 2.0019

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.



13.3294, 18.3360, 5.1728



17.5083, 18.3360, 57.2600



22.1268, 18.3360, 5.0798

Square

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



17.5083, 18.3360, 57.2600



27.7922, 18.3360, 19.7355



17.3476, 18.3360, 3.8795



10.0258, 18.3360, 20.1958

Rectangle

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



17.5083, 18.3360, 57.2600



25.1415, 18.3360, 40.6577



17.3476, 18.3360, 3.8795



11.4793, 18.3360, 7.8456

Sweetspot

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



17.5091, 18.3366, 57.2605



63.5966, 70.8874, 104.9385



21.9839, 41.8407, 13.8825



12.8654, 14.4353, 22.3582



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.



17.5091, 18.3366, 57.2605



30.0734, 31.2669, 99.0578



10.7399, 4.7983, 55.0041



10.5905, 11.3550, 13.5510



11.2199, 11.8337, 36.4371



0.5999, 0.6975, 1.7482

Inverse Universe

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



27.3953, 13.7106, 19.9416



47.3089, 23.6876, 33.8883



39.4775, 43.5948, 6.3353



10.9033, 10.7447, 12.4742



17.4626, 8.7346, 12.9120



0.8615, 0.4274, 0.7937

Previews

White Background



This preview shows how the XYZ color 17.5083, 18.3360, 57.2600 looks on a white 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

Black Background



This preview shows how the XYZ color 17.5083, 18.3360, 57.2600 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 17.5083, 18.3360, 57.2600

Background



This preview shows how black text looks on a background with the XYZ color 17.5083, 18.3360, 57.2600.

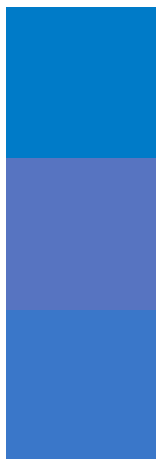


This preview shows how white text looks on a background with the XYZ color 17.5083, 18.3360,

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

17.5083, 18.3360, 57.2600

Protanopia

19.8015, 18.3673, 52.9537

Deuteranopia

18.8844, 18.3102, 57.7973



Tritanopia

13.0590, 18.4256, 28.0675

Trichromacy



Original Color

17.5083, 18.3360, 57.2600

Protanomaly

18.1362, 17.9914, 54.7414

Deuteranomaly

18.0220, 18.0433, 57.7912

Tritanomaly

14.3718, 18.3091, 36.9590

Monochromacy



Original Color

17.5083, 18.3360, 57.2600

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.1487, 12.7573, 24.0651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5083, 18.3360, 57.2600 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, 123, 200)` looks like.

```
.text, #text, p{  
    color:rgb(0, 123, 200)  
}
```

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, 123, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 123, 200) }
```

Border

The CSS property to change the border of an element to XYZ 17.5083, 18.3360, 57.2600 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, 123, 200) }
```


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

```
.border{ border-color:rgb(0, 123, 200) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 123, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 123, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 123, 200);  
box-shadow:4px 4px 4px 4px rgb(0, 123,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5083, 18.3360, 57.2600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 123, 200) }
```

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

```
.background{ background-color: rgb(0, 123,  
200) }
```

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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