

Converting Colors

XYZ(14.7667, 17.2993, 55.8783)

Have a look what the booklet for
XYZ(14.7667, 17.2993, 55.8783)
contains.

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Color

**XYZ(17.5267, 18.7444,
56.1204)**

Conversions

Conversions Part 1

Format	Color
Hex	007DC6
RGB	0, 125, 198
RGB Percent	0%, 49%, 78%
CMY	0.9998, 0.5098, 0.2235
CMYK	1.00, 0.37, 0.00, 0.22
HSL	202°, 100%, 39%
HSV	202°, 100%, 78%
XYZ	17.5267, 18.7444, 56.1204
YIQ	95.9470, -97.9330, -3.7970

Conversions

Conversions Part 2

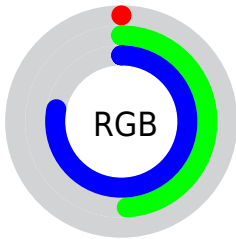
Format	Color
RYB	0, 77, 198
Decimal	32198
CIELab	50.39, -1.56, -45.90
CIELCh	50, 45.922, 268.057
Yxy	18.7444, 0.1897, 0.2029
Android (android.graphics.Color)	4278222278 (0xFF007DC6)
YUV	95.9470, 50.3121, -84.1455
Hunter-Lab	43.2948, -3.5051, -46.5476

Details

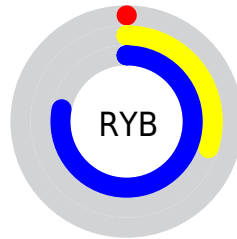
The XYZ color **17.5267, 18.7444, 56.1204** is a dark color, and the websafe version is hex **006699**. The color can be described as dark washed azure. A complement of this color would be **25.6750, 16.7776, 1.8866**, and the grayscale version is **11.0081, 11.5814, 12.6121**.

A 20% lighter version of the original color is **38.7019, 41.2057, 100.5214**, and **7.6879, 7.3214, 27.3935** is the 20% darker color. If you saturate the color by 10%, you get **17.5245, 18.7400, 56.1201**, and if you desaturate by 10%, it is **18.7709, 20.8091, 56.4538**.

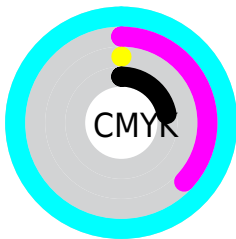
Distribution



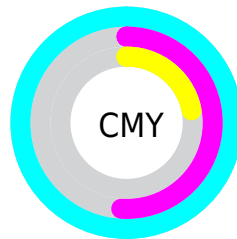
- Red (0%)
- Green (49%)
- Blue (78%)



- 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 17.5267, 18.7444, 56.1204 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 17.5267, 18.7444, 56.1204 by changing the saturation by 10% instead.

■ 17.5267, 18.7444,
56.1204

■ 17.5267, 18.7444,
56.1204

231.2871,
245.0341, 427.5461

■ 10.7083, 11.4857,
39.8948

■ 38.7656, 41.3017,
100.6681

■ 5.9369, 6.3945,
27.1434

■ 53.9169, 57.3692,
129.8274

■ 2.8471, 3.0864,
17.4475

■ 72.5765, 77.1417,
164.1349

■ 1.0734, 1.1770,
10.3888

■ 95.1098, 101.0037,
204.0093

■ 0.0027, 0.0428,
5.5485

■ 121.8821,
129.3396, 249.8691

■ 0.0000, 0.0000,
2.5082

■ 153.2589,

■ 0.0000, 0.0000,

162.5336, 302.1328

0.8445

189.6055,
200.9703, 361.2190

■ 0.0000, 0.0000,
0.0000

■ 17.5267, 18.7444,
56.1204

■ 17.5267, 18.7444,
56.1204

■ 17.5245, 18.7400,
56.1201

■ 18.7709, 20.8091,
56.4538

■ 20.3750, 23.1621,
56.8234

■ 22.4427, 25.8591,
57.2350

■ 25.0284, 28.9302,
57.6915

■ 28.1783, 32.4010,
58.1954

■ 31.9333, 36.2945,
58.7490

■ 36.3298, 40.6313,
59.3544

■ 41.4017, 45.4307,
60.0134

■ 47.1799, 50.7102,
60.7279

Harmonies

Analogous

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



13.6523, 18.7444, 49.1568



17.5267, 18.7444, 56.1204



22.1625, 18.7444, 50.6688

Triad

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



17.5267, 18.7444, 56.1204



26.5080, 18.7444, 10.8986



11.4836, 18.7444, 9.9762

Complementary

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



17.5267, 18.7444, 56.1204



25.6750, 16.7776, 1.8866

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.



14.0785, 18.7444, 5.5007



17.5267, 18.7444, 56.1204



22.7504, 18.7444, 5.8556

Square

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



17.5267, 18.7444, 56.1204



27.8369, 18.7444, 21.2539



18.1084, 18.7444, 4.3870



10.5449, 18.7444, 19.5877

Rectangle

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



17.5267, 18.7444, 56.1204



24.9878, 18.7444, 41.6252



18.1084, 18.7444, 4.3870



12.1673, 18.7444, 7.9997

Sweetspot

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



17.5275, 18.7450, 56.1209



63.9363, 71.5668, 105.0517



21.3853, 40.8650, 13.0001



12.9464, 14.5973, 22.3852



0.0000, 0.0000, 0.0000



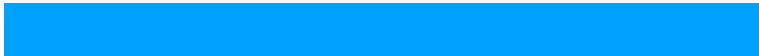
20.3446, 21.4041, 23.3091

Same Dimension

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



17.5275, 18.7450, 56.1209



30.7882, 32.6963, 99.2961



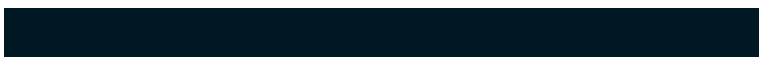
10.5730, 4.8361, 53.8028



10.6052, 11.3845, 13.5560



11.4806, 12.3551, 36.5240



0.6111, 0.7200, 1.7519

Inverse Universe

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



26.9912, 13.4876, 20.5831



47.6696, 23.8319, 35.7880



37.9671, 41.3617, 5.9840



10.9108, 10.7477, 12.5134



17.5942, 8.7872, 13.6048



0.8672, 0.4297, 0.8236

Previews

White Background



This preview shows how the XYZ color 17.5267, 18.7444, 56.1204 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 17.5267, 18.7444, 56.1204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

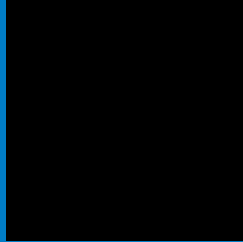
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.5267, 18.7444, 56.1204

Background



This preview shows how black text looks on a background with the XYZ color 17.5267, 18.7444, 56.1204.



This preview shows how white text looks on a background with the XYZ color 17.5267, 18.7444,

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

17.5267, 18.7444, 56.1204

Protanopia

20.0796, 18.7083, 51.8430

Deuteranopia

19.2720, 18.7147, 56.6294



Tritanopia

13.2700, 18.7281, 28.5067

Trichromacy



Original Color

17.5267, 18.7444, 56.1204

Protanomaly

18.1990, 18.2275, 53.5980

Deuteranomaly

18.2232, 18.5348, 56.6499

Tritanomaly

14.5042, 18.5739, 37.0031

Monochromacy



Original Color

17.5267, 18.7444, 56.1204

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 17.5267, 18.7444, 56.1204 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, 198)` looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 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, 125, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 198) }
```

Border

The CSS property to change the border of an element to XYZ 17.5267, 18.7444, 56.1204 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, 198) }
```


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

```
.border{ border-color:rgb(0, 125, 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, 125, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 125,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5267, 18.7444, 56.1204 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, 198) }
```

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

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

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