

Converting Colors

XYZ(15.7479, 17.7201, 47.7182)

Have a look what the booklet for
XYZ(15.7479, 17.7201, 47.7182)
contains.

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Color

**XYZ(15.7347, 17.6266,
47.9204)**

Conversions

Conversions Part 1

Format	Color
Hex	007BB8
RGB	0, 123, 184
RGB Percent	0%, 48%, 72%
CMY	0.9999, 0.5176, 0.2784
CMYK	1.00, 0.33, 0.00, 0.28
HSL	200°, 100%, 36%
HSV	200°, 100%, 72%
XYZ	15.7347, 17.6266, 47.9204
YIQ	93.1770, -92.8890, -7.1050

Conversions

Conversions Part 2

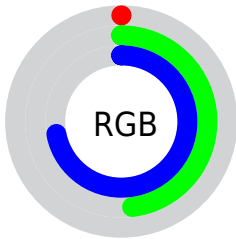
Format	Color
RYB	0, 74, 184
Decimal	31672
CIELab	49.04, -5.80, -39.99
CIELCh	49, 40.411, 261.745
Yxy	17.6266, 0.1936, 0.2169
Android (android.graphics.Color)	4278221752 (0xFF007BB8)
YUV	93.1770, 44.7757, -81.7162
Hunter-Lab	41.9840, -6.5742, -38.2845

Details

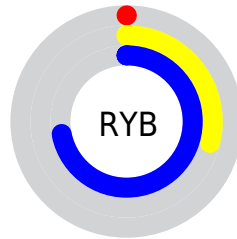
The XYZ color **15.7347, 17.6266, 47.9204** is a dark color, and the websafe version is hex **006699**, and the color name is **star command blue**. A complement of this color would be **21.4383, 13.5320, 1.4831**, and the grayscale version is **10.3629, 10.9026, 11.8729**.

A 20% lighter version of the original color is **35.5723, 39.2784, 88.1447**, and **6.6128, 6.6708, 22.4118** is the 20% darker color. If you saturate the color by 10%, you get **15.7334, 17.6238, 47.9203**, and if you desaturate by 10%, it is **16.7733, 19.3211, 48.1931**.

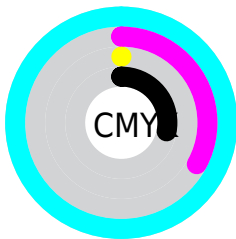
Distribution



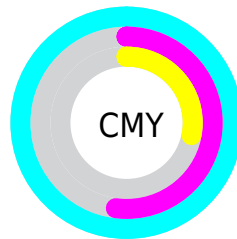
- Red (0%)
- Green (48%)
- Blue (72%)



- Red (0%)
- Yellow (29%)
- Blue (72%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (52%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7347, 17.6266, 47.9204 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 15.7347, 17.6266, 47.9204 by changing the saturation by 10% instead.

■ 15.7347, 17.6266,
47.9204

■ 15.7347, 17.6266,
47.9204

■ 221.0724,
238.7579, 394.9761

■ 9.4263, 10.6822,
33.4043

■ 35.6982, 39.4000,
88.4502

■ 5.0796, 5.8536,
22.1627

■ 50.0840, 54.9979,
115.3010

■ 2.3293, 2.7563,
13.7770

■ 67.8929, 74.2490,
147.1004

■ 0.8096, 1.0058,
7.8288

■ 89.4904, 97.5378,
184.2670

■ 0.0000, 0.0000,
3.8994

■ 115.2417,
125.2488, 227.2194

■ 0.0000, 0.0000,
1.5703

■ 145.5122,

■ 0.0000, 0.0000,

157.7661, 276.3760

0.2695

180.6673,
195.4744, 332.1554

■ 0.0000, 0.0000,
0.0000

■ 15.7347, 17.6266,
47.9204

■ 15.7347, 17.6266,
47.9204

■ 15.7334, 17.6238,
47.9203

■ 16.7733, 19.3211,
48.1931

■ 18.1014, 21.2359,
48.4927

■ 19.8103, 23.4194,
48.8241

■ 21.9450, 25.8962,
49.1897

■ 24.5437, 28.6869,
49.5913

■ 27.6399, 31.8100,
50.0310

■ 31.2640, 35.2822,
50.5102

■ 35.4438, 39.1189,
51.0304

■ 40.2049, 43.3345,
51.5932

Harmonies

Analogous

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



12.6562, 17.6266, 40.5317



15.7347, 17.6266, 47.9204



19.5835, 17.6266, 45.6360

Triad

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



15.7347, 17.6266, 47.9204



24.4243, 17.6266, 12.4859



11.6840, 17.6266, 8.9986

Complementary

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



15.7347, 17.6266, 47.9204



21.4383, 13.5320, 1.4831

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.



14.2102, 17.6266, 5.6510



15.7347, 17.6266, 47.9204



21.6517, 17.6266, 7.0747

Square

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



15.7347, 17.6266, 47.9204



24.9950, 17.6266, 22.3283



17.8155, 17.6266, 5.1109



10.5578, 17.6266, 16.3647

Rectangle

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



15.7347, 17.6266, 47.9204



22.0552, 17.6266, 39.2093



17.8155, 17.6266, 5.1109



12.3779, 17.6266, 7.5006

Sweetspot

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



15.7354, 17.6272, 47.9209



56.3063, 63.6130, 91.5155



17.9123, 34.5900, 9.7746



11.5249, 13.1321, 19.6489



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



15.7354, 17.6272, 47.9209



28.2924, 31.4910, 86.7918



9.2176, 4.5916, 45.7483



9.0090, 9.6952, 11.4760



10.9102, 12.2800, 33.0483



0.4388, 0.5414, 1.1831

Inverse Universe

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



23.3430, 11.6214, 19.7521



42.1977, 21.0185, 35.1910



30.7177, 32.0908, 4.5762



9.2509, 9.1107, 10.6685



16.1206, 8.0220, 13.7879



0.5957, 0.2937, 0.6302

Previews

White Background



This preview shows how the XYZ color 15.7347, 17.6266, 47.9204 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 15.7347, 17.6266, 47.9204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

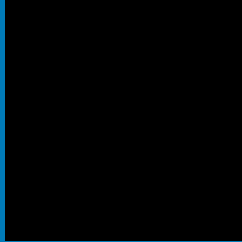
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.7347, 17.6266, 47.9204

Background



This preview shows how black text looks on a background with the XYZ color 15.7347, 17.6266, 47.9204.

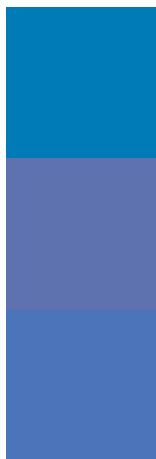


This preview shows how white text looks on a background with the XYZ color 15.7347, 17.6266,

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

15.7347, 17.6266, 47.9204

Protanopia

18.4699, 17.5489, 43.4881

Deuteranopia

18.0888, 17.5725, 48.8928



Tritanopia

12.5105, 17.5646, 27.1570

Trichromacy



Original Color

15.7347, 17.6266, 47.9204

Protanomaly

16.3615, 16.9379, 45.0548

Deuteranomaly

16.5727, 17.3248, 48.3695

Tritanomaly

13.5058, 17.5453, 33.6851

Monochromacy



Original Color

15.7347, 17.6266, 47.9204

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.5198, 12.3368, 21.5654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7347, 17.6266, 47.9204 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, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 123, 184)  
}
```

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, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 123, 184) }
```

Border

The CSS property to change the border of an element to XYZ 15.7347, 17.6266, 47.9204 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, 184) }
```


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

```
.border{ border-color:rgb(0, 123, 184) }
```

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, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 123, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 123, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 123,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7347, 17.6266, 47.9204 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, 184) }
```

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

```
.background{ background-color: rgb(0, 123,  
184) }
```

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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