

Converting Colors

XYZ(12.2597, 14.6358, 52.6622)

Have a look what the booklet for
XYZ(12.2597, 14.6358, 52.6622)
contains.

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Color

**XYZ(15.9869, 16.5728,
52.8084)**

Conversions

Conversions Part 1

Format	Color
Hex	0075C1
RGB	0, 117, 193
RGB Percent	0%, 46%, 76%
CMY	0.9998, 0.5412, 0.2431
CMYK	1.00, 0.39, 0.00, 0.24
HSL	204°, 100%, 38%
HSV	204°, 100%, 76%
XYZ	15.9869, 16.5728, 52.8084
YIQ	90.6810, -94.1280, -1.1680

Conversions

Conversions Part 2

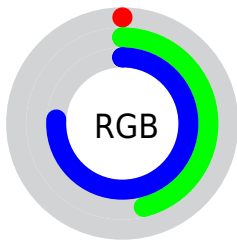
Format	Color
RYB	0, 73, 193
Decimal	30145
CIELab	47.72, 1.36, -47.28
CIELCh	48, 47.299, 271.646
Yxy	16.5728, 0.1873, 0.1941
Android (android.graphics.Color)	4278220225 (0xFF0075C1)
YUV	90.6810, 50.4433, -79.5272
Hunter-Lab	40.7097, -1.1442, -48.4139

Details

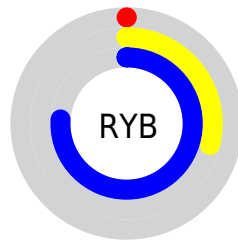
The XYZ color **15.9869, 16.5728, 52.8084** is a dark color, and the websafe version is hex **336699**. The color can be described as dark washed azure. A complement of this color would be **24.5798, 16.5118, 1.8927**, and the grayscale version is **9.7792, 10.2885, 11.2042**.

A 20% lighter version of the original color is **36.1626, 37.7110, 95.8154**, and **6.8504, 6.2444, 25.2703** is the 20% darker color. If you saturate the color by 10%, you get **15.9853, 16.5695, 52.8082**, and if you desaturate by 10%, it is **17.1843, 18.5589, 53.1290**.

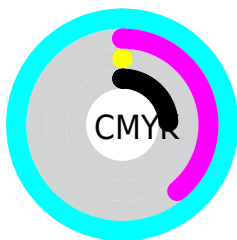
Distribution



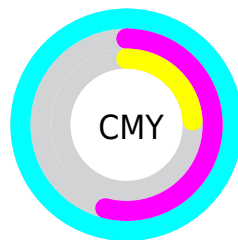
- Red (0%)
- Green (46%)
- Blue (76%)



- Red (0%)
- Yellow (29%)
- Blue (76%)



- Cyan (100%)
- Magenta (39%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (54%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9869, 16.5728, 52.8084 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 15.9869, 16.5728, 52.8084 by changing the saturation by 10% instead.

■ 15.9869, 16.5728,
52.8084

■ 15.9869, 16.5728,
52.8084

■ 222.5363,
232.6984, 414.5950

■ 9.6057, 9.9304,
37.2632

■ 36.1331, 37.5898,
95.7611

■ 5.1985, 5.3528,
25.1139

■ 50.6288, 52.7332,
124.0056

■ 2.4002, 2.4557,
15.9422

■ 68.5600, 71.4790,
157.3202

■ 0.8452, 0.8543,
9.3293

■ 90.2920, 94.2116,
196.1236

■ 0.0000, 0.0000,
4.8569

■ 116.1904,
121.3155, 240.8342

■ 0.0000, 0.0000,
2.1063

■ 146.6203,

■ 0.0000, 0.0000,

153.1750, 291.8707

0.6195

181.9471,
190.1745, 349.6514

■ 0.0000, 0.0000,
0.0000

■ 15.9869, 16.5728,
52.8084

■ 15.9869, 16.5728,
52.8084

■ 15.9853, 16.5695,
52.8082

■ 17.1843, 18.5589,
53.1290

■ 18.7277, 20.8325,
53.4865

■ 20.7168, 23.4473,
53.8864

■ 23.2027, 26.4322,
54.3315

■ 26.2292, 29.8119,
54.8244

■ 29.8348, 33.6083,
55.3671

■ 34.0542, 37.8415,
55.9618

■ 38.9191, 42.5299,
56.6103

■ 44.4590, 47.6906,
57.3145

Harmonies

Analogous

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



12.1944, 16.5728, 47.3099



15.9869, 16.5728, 52.8084



20.4194, 16.5728, 46.0482

Triad

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



15.9869, 16.5728, 52.8084



23.7456, 16.5728, 8.3705



9.6205, 16.5728, 9.0849

Complementary

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



15.9869, 16.5728, 52.8084



24.5798, 16.5118, 1.8927

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.



11.8562, 16.5728, 4.5871



15.9869, 16.5728, 52.8084



19.9417, 16.5728, 4.3236

Square

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



15.9869, 16.5728, 52.8084



25.3678, 16.5728, 17.3836



15.5193, 16.5728, 3.3353



8.9370, 16.5728, 18.7228

Rectangle

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



15.9869, 16.5728, 52.8084



23.0348, 16.5728, 36.7158



15.5193, 16.5728, 3.3353



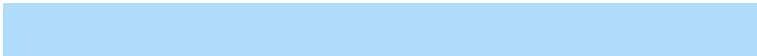
10.1930, 16.5728, 7.1020

Sweetspot

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



15.9876, 16.5733, 52.8088



60.5942, 67.3838, 100.1730



20.3069, 38.6350, 12.8669



12.2861, 13.7476, 21.3913



92.9021, 97.7402, 106.4391



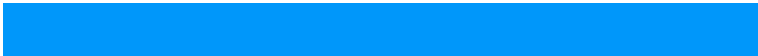
19.4759, 20.4902, 22.3138

Same Dimension

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



15.9876, 16.5733, 52.8088



28.3828, 29.1821, 94.4971



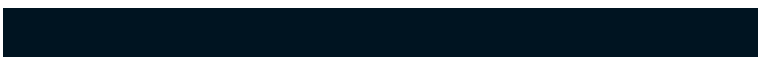
9.9238, 4.4456, 50.7876



10.0248, 10.7409, 12.8297



10.7118, 11.1800, 35.1500



0.5284, 0.6143, 1.5406

Inverse Universe

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



25.2039, 12.6228, 17.9379



45.0131, 22.5553, 31.4618



36.4592, 40.2706, 5.8525



10.3238, 10.1781, 11.7958



16.8028, 8.4109, 12.1394



0.7591, 0.3767, 0.6989

Previews

White Background



This preview shows how the XYZ color 15.9869, 16.5728, 52.8084 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 15.9869, 16.5728, 52.8084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

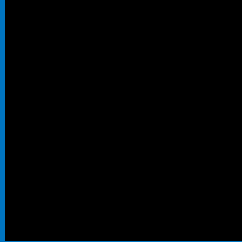
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.9869, 16.5728, 52.8084

Background



This preview shows how black text looks on a background with the XYZ color 15.9869, 16.5728, 52.8084.



This preview shows how white text looks on a background with the XYZ color 15.9869, 16.5728,

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

15.9869, 16.5728, 52.8084

Protanopia

18.0252, 16.5336, 49.2550

Deuteranopia

17.1202, 16.6335, 53.3472



Tritanopia

11.7639, 16.6429, 25.1466

Trichromacy



Original Color

15.9869, 16.5728, 52.8084

Protanomaly

16.5066, 16.2144, 50.4038

Deuteranomaly

16.4640, 16.4636, 53.3490

Tritanomaly

12.9994, 16.5325, 33.5163

Monochromacy



Original Color

15.9869, 16.5728, 52.8084

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.1984, 11.5724, 22.1183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9869, 16.5728, 52.8084 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, 117, 193)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 193)  
}
```

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, 117, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 193) }
```

Border

The CSS property to change the border of an element to XYZ 15.9869, 16.5728, 52.8084 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, 117, 193) }
```


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

```
.border{ border-color:rgb(0, 117, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 117, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 193);  
box-shadow:4px 4px 4px 4px rgb(0, 117,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9869, 16.5728, 52.8084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 117, 193) }
```

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

```
.background{ background-color: rgb(0, 117,  
193) }
```

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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