

Converting Colors

XYZ(14.6377, 15.4670, 52.6641)

Have a look what the booklet for
XYZ(14.6377, 15.4670, 52.6641)
contains.

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Color

**XYZ(15.7564, 16.1117,
52.7315)**

Conversions

Conversions Part 1

Format	Color
Hex	0073C1
RGB	0, 115, 193
RGB Percent	0%, 45%, 76%
CMY	0.9998, 0.5490, 0.2431
CMYK	1.00, 0.40, 0.00, 0.24
HSL	204°, 100%, 38%
HSV	204°, 100%, 76%
XYZ	15.7564, 16.1117, 52.7315
YIQ	89.5070, -93.5780, -0.1220

Conversions

Conversions Part 2

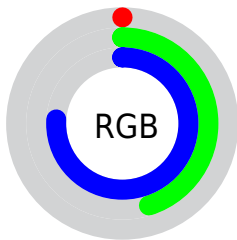
Format	Color
RYB	0, 72, 193
Decimal	29633
CIELab	47.12, 2.60, -48.23
CIELCh	47, 48.301, 273.082
Yxy	16.1117, 0.1862, 0.1904
Android (android.graphics.Color)	4278219713 (0xFF0073C1)
YUV	89.5070, 51.0220, -78.4976
Hunter-Lab	40.1394, -0.1751, -49.7923

Details

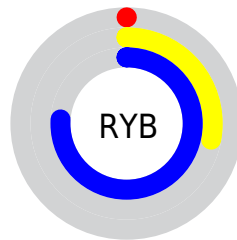
The XYZ color **15.7564, 16.1117, 52.7315** is a dark color, and the websafe version is hex **336699**. The color can be described as dark washed azure. A complement of this color would be **24.7203, 16.7928, 1.9397**, and the grayscale version is **9.5162, 10.0117, 10.9028**.

A 20% lighter version of the original color is **35.6109, 36.6075, 95.6315**, and **6.7273, 5.9983, 25.2293** is the 20% darker color. If you saturate the color by 10%, you get **15.7545, 16.1078, 52.7312**, and if you desaturate by 10%, it is **16.9595, 18.1092, 53.0540**.

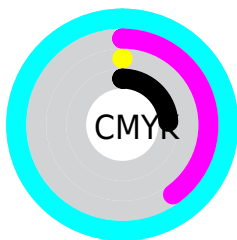
Distribution



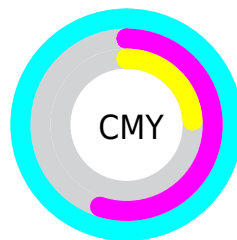
- Red (0%)
- Green (45%)
- Blue (76%)



- Red (0%)
- Yellow (28%)
- Blue (76%)



- Cyan (100%)
- Magenta (40%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (55%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7564, 16.1117, 52.7315 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 15.7564, 16.1117, 52.7315 by changing the saturation by 10% instead.

■ 15.7564, 16.1117,
52.7315

■ 15.7564, 16.1117,
52.7315

221.1987,
229.9999, 414.2912

■ 9.4417, 9.6032,
37.2022

■ 35.7357, 36.7920,
95.6467

■ 5.0898, 5.1367,
25.0671

■ 50.1309, 51.7326,
123.8697

■ 2.3353, 2.3277,
15.9076

■ 67.9504, 70.2528,
157.1610

■ 0.8127, 0.7883,
9.3051

■ 89.5595, 92.7368,
195.9392

■ 0.0000, 0.0000,
4.8412

■ 115.3235,
119.5692, 240.6227

■ 0.0000, 0.0000,
2.0973

■ 145.6078,

■ 0.0000, 0.0000,

151.1342, 291.6302

0.6142

180.7778,
187.8163, 349.3802

■ 0.0000, 0.0000,
0.0000

■ 15.7564, 16.1117,
52.7315

■ 15.7564, 16.1117,
52.7315

■ 15.7545, 16.1078,
52.7312

■ 16.9595, 18.1092,
53.0540

■ 18.5123, 20.4012,
53.4146

■ 20.5143, 23.0419,
53.8188

■ 23.0170, 26.0602,
54.2694

■ 26.0643, 29.4812,
54.7691

■ 29.6947, 33.3270,
55.3201

■ 33.9431, 37.6179,
55.9244

■ 38.8413, 42.3726,
56.5840

■ 44.4190, 47.6085,
57.3007

Harmonies

Analogous

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



11.9102, 16.1117, 47.7000



15.7564, 16.1117, 52.7315



20.2109, 16.1117, 45.2950

Triad

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



15.7564, 16.1117, 52.7315



23.2145, 16.1117, 7.6324



9.1318, 16.1117, 8.9507

Complementary

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



15.7564, 16.1117, 52.7315



24.7203, 16.7928, 1.9397

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.



11.2793, 16.1117, 4.3474



15.7564, 16.1117, 52.7315



19.3107, 16.1117, 3.8705

Square

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



15.7564, 16.1117, 52.7315



24.9870, 16.1117, 16.3168



14.8793, 16.1117, 3.0285



8.5279, 16.1117, 18.8290

Rectangle

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



15.7564, 16.1117, 52.7315



22.8037, 16.1117, 35.6464



14.8793, 16.1117, 3.0285



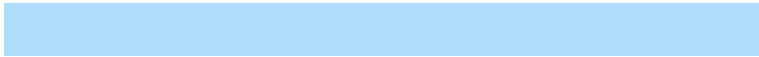
9.6747, 16.1117, 6.9204

Sweetspot

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



15.7571, 16.1122, 52.7319



60.3900, 66.9754, 100.1049



20.4183, 38.6795, 13.4530



12.2374, 13.6503, 21.3751



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.



15.7571, 16.1122, 52.7319



27.9683, 28.3531, 94.3589



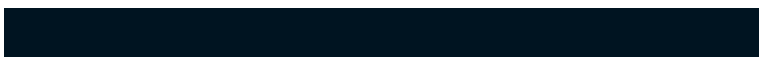
9.8649, 4.3279, 50.7679



10.0160, 10.7233, 12.8267



10.5586, 10.8737, 35.0989



0.5224, 0.6022, 1.5386

Inverse Universe

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



25.0875, 12.5763, 17.3251



44.8038, 22.4717, 30.3600



37.0719, 41.4959, 6.0569



10.3194, 10.1764, 11.7723



16.7255, 8.3799, 11.7322



0.7561, 0.3754, 0.6828

Previews

White Background



This preview shows how the XYZ color 15.7564, 16.1117, 52.7315 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 15.7564, 16.1117, 52.7315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

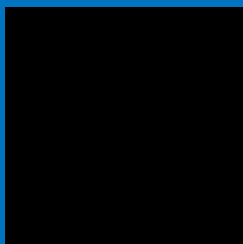
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.7564, 16.1117, 52.7315

Background



This preview shows how black text looks on a background with the XYZ color 15.7564, 16.1117, 52.7315.



This preview shows how white text looks on a background with the XYZ color 15.7564, 16.1117,

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

15.7564, 16.1117, 52.7315

Protanopia

17.6627, 16.1874, 49.2073

Deuteranopia

16.7249, 16.2632, 53.2965



Tritanopia

11.3725, 16.0812, 24.3344

Trichromacy



Original Color

15.7564, 16.1117, 52.7315

Protanomaly

16.1851, 15.7211, 50.3255

Deuteranomaly

16.2616, 16.1909, 53.3070

Tritanomaly

12.6701, 16.0078, 32.9939

Monochromacy



Original Color

15.7564, 16.1117, 52.7315

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.9799, 11.3258, 21.7388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7564, 16.1117, 52.7315 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, 115, 193)` looks like.

```
.text, #text, p{  
    color:rgb(0, 115, 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, 115, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 115, 193) }
```

Border

The CSS property to change the border of an element to XYZ 15.7564, 16.1117, 52.7315 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, 115, 193) }
```


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

```
.border{ border-color:rgb(0, 115, 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, 115, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 115, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 115, 193);  
box-shadow:4px 4px 4px 4px rgb(0, 115,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7564, 16.1117, 52.7315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 115, 193) }
```

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

```
.background{ background-color: rgb(0, 115,  
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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