

Converting Colors

XYZ(15.9114, 16.3747, 52.1912)

Have a look what the booklet for
XYZ(15.9114, 16.3747, 52.1912)
contains.

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Color

**XYZ(15.9114, 16.3747,
52.1912)**

Conversions

Conversions Part 1

Format	Color
Hex	0C74C0
RGB	12, 116, 192
RGB Percent	5%, 45%, 75%
CMY	0.9528, 0.5451, 0.2471
CMYK	0.94, 0.40, 0.00, 0.25
HSL	205°, 88%, 40%
HSV	205°, 94%, 75%
XYZ	15.9114, 16.3747, 52.1912
YIQ	93.5680, -86.3800, 1.5880

Conversions

Conversions Part 2

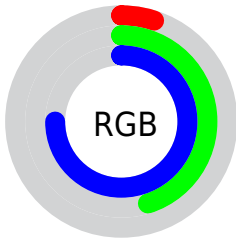
Format	Color
R_{YB}	12, 78, 192
Decimal	816320
CIE _{Lab}	47.46, 2.02, -47.10
CIE _{LCh}	47, 47.148, 272.458
Yxy	16.3747, 0.1884, 0.1938
Android (android.graphics.Color)	4279006400 (0xFF0C74C0)
YUV	93.5680, 48.5270, -71.5351
Hunter-Lab	40.4657, -0.6274, -48.1442

Details

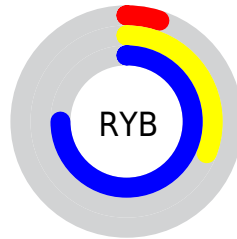
The XYZ color **15.9114, 16.3747, 52.1912** is a dark color, and the websafe version is hex **336699**. The color can be described as dark washed azure. A complement of this color would be **25.2973, 18.2180, 2.5320**, and the grayscale version is **10.4441, 10.9881, 11.9660**.

A 20% lighter version of the original color is **36.1385, 37.4415, 94.9448**, and **6.7156, 6.0912, 24.8665** is the 20% darker color. If you saturate the color by 10%, you get **15.1902, 15.1571, 51.9946**, and if you desaturate by 10%, it is **17.3079, 18.5434, 52.5366**.

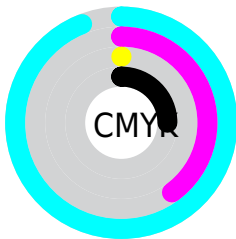
Distribution



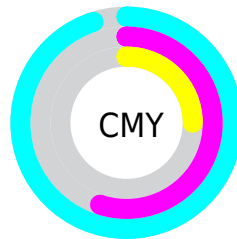
- Red (5%)
- Green (45%)
- Blue (75%)



- Red (5%)
- Yellow (31%)
- Blue (75%)



- Cyan (94%)
- Magenta (40%)
- Yellow (0%)
- Black (25%)



- Cyan (95%)
- Magenta (55%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9114, 16.3747, 52.1912 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 15.9114, 16.3747, 52.1912 by changing the saturation by 10% instead.

■ 15.9114, 16.3747,
52.1912

■ 15.9114, 16.3747,
52.1912

222.0990,
231.5427, 412.1522

■ 9.5519, 9.7897,
36.7742

■ 36.0030, 37.2475,
94.8426

■ 5.1629, 5.2597,
24.7383

■ 50.4659, 52.3041,
122.9141

■ 2.3789, 2.4005,
15.6649

■ 68.3606, 70.9533,
156.0409

■ 0.8346, 0.8261,
9.1356

■ 90.0524, 93.5795,
194.6414

■ 0.0000, 0.0000,
4.7317

■ 115.9069,
120.5672, 239.1343

■ 0.0000, 0.0000,
2.0348

■ 146.2892,

■ 0.0000, 0.0000,

152.3007, 289.9380

0.5765

181.5648,
189.1644, 347.4711

■ 0.0000, 0.0000,
0.0000

■ 15.9114, 16.3747,
52.1912

■ 15.9114, 16.3747,
52.1912

■ 15.1902, 15.1571,
51.9946

■ 17.3079, 18.5434,
52.5366

■ 19.1321, 21.0565,
52.9255

■ 21.4396, 23.9457,
53.3615

■ 24.2763, 27.2374,
53.8474

■ 27.6824, 30.9551,
54.3855

■ 31.6937, 35.1198,
54.9779

■ 36.3429, 39.7509,
55.6268

■ 41.6602, 44.8664,
56.3339

■ 47.6739, 50.4834,
57.1011

Harmonies

Analogous

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



12.1312, 16.3747, 47.0673



15.9114, 16.3747, 52.1912



20.2945, 16.3747, 45.2041

Triad

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



15.9114, 16.3747, 52.1912



23.3895, 16.3747, 8.0999



9.4630, 16.3747, 9.1545

Complementary

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



15.9114, 16.3747, 52.1912



25.2973, 18.2180, 2.5320

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.



11.6318, 16.3747, 4.5958



15.9114, 16.3747, 52.1912



19.5893, 16.3747, 4.2069

Square

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



15.9114, 16.3747, 52.1912



25.0678, 16.3747, 16.8589



15.2210, 16.3747, 3.2932



8.8285, 16.3747, 18.8362

Rectangle

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



15.9114, 16.3747, 52.1912



22.8565, 16.3747, 35.8832



15.2210, 16.3747, 3.2932



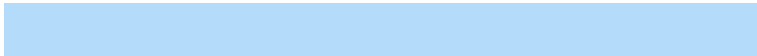
10.0150, 16.3747, 7.1501

Sweetspot

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



15.9121, 16.3752, 52.1916



61.7307, 67.9614, 100.2246



20.7230, 38.4664, 15.3535



12.4776, 13.8116, 21.3936



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.



15.9121, 16.3752, 52.1916



27.2688, 26.9541, 94.1257



10.0592, 4.6694, 50.2407



10.0006, 10.6926, 12.8216



10.2997, 10.3559, 35.0127



0.5121, 0.5815, 1.5351

Inverse Universe

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



25.0227, 12.7313, 17.6618



44.4508, 22.3304, 28.5007



37.5278, 42.6788, 6.6088



10.3116, 10.1733, 11.7315



16.5948, 8.3277, 11.0442



0.7508, 0.3733, 0.6554

Previews

White Background



This preview shows how the XYZ color 15.9114, 16.3747, 52.1912 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 15.9114, 16.3747, 52.1912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

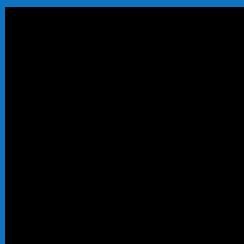
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.9114, 16.3747, 52.1912

Background



This preview shows how black text looks on a background with the XYZ color 15.9114, 16.3747, 52.1912.



This preview shows how white text looks on a background with the XYZ color 15.9114, 16.3747,

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

15.9114, 16.3747, 52.1912

Protanopia

17.8322, 16.4464, 48.6890

Deuteranopia

16.8462, 16.3386, 52.7179



Tritanopia

11.5673, 16.3607, 24.7386

Trichromacy



Original Color

15.9114, 16.3747, 52.1912

Protanomaly

16.5022, 16.0599, 49.8071

Deuteranomaly

16.3705, 16.2600, 52.7277

Tritanomaly

12.8423, 16.2780, 33.0369

Monochromacy



Original Color

15.9114, 16.3747, 52.1912

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.8950, 12.2044, 22.9006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9114, 16.3747, 52.1912 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(12, 116, 192)` looks like.

```
.text, #text, p{  
    color:rgb(12, 116, 192)  
}
```

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(12, 116, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 116, 192) }
```

Border

The CSS property to change the border of an element to XYZ 15.9114, 16.3747, 52.1912 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(12, 116, 192) }
```


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

```
.border{ border-color:rgb(12, 116, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 116, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 116, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 116, 192);  
box-shadow:4px 4px 4px 4px rgb(12, 116,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9114, 16.3747, 52.1912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 116, 192) }
```

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

```
.background{ background-color: rgb(12, 116,  
192) }
```

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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