

Converting Colors

XYZ(15.4704, 16.1392, 40.7530)

Have a look what the booklet for
XYZ(15.4704, 16.1392, 40.7530)
contains.

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Color

**XYZ(15.4179, 16.0317,
40.8099)**

Conversions

Conversions Part 1

Format	Color
Hex	3F72AB
RGB	63, 114, 171
RGB Percent	25%, 45%, 67%
CMY	0.7529, 0.5529, 0.3294
CMYK	0.63, 0.33, 0.00, 0.33
HSL	212°, 46%, 46%
HSV	212°, 63%, 67%
XYZ	15.4179, 16.0317, 40.8099
YIQ	105.2490, -48.6930, 6.9150

Conversions

Conversions Part 2

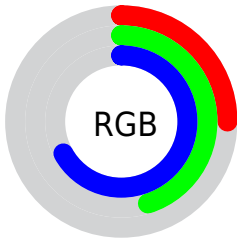
Format	Color
R _{YB}	63, 98, 171
Decimal	4158123
CIE Lab	47.02, 1.07, -35.55
CIE LCh	47, 35.568, 271.719
Yxy	16.0317, 0.2134, 0.2219
Android (android.graphics.Color)	4282348203 (0xFF3F72AB)
YUV	105.2490, 32.4152, -37.0524
Hunter-Lab	40.0396, -1.3350, -32.4029

Details

The XYZ color **15.4179, 16.0317, 40.8099** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **24.4091, 22.4510, 7.7504**, and the grayscale version is **13.4197, 14.1186, 15.3751**.

A 20% lighter version of the original color is **35.2471, 36.8116, 77.9207**, and **5.2772, 5.3223, 17.8887** is the 20% darker color. If you saturate the color by 10%, you get **13.5224, 13.6173, 40.4441**, and if you desaturate by 10%, it is **17.7542, 18.8230, 41.2259**.

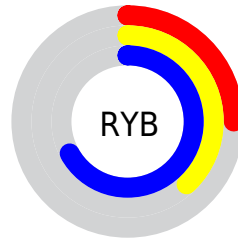
Distribution



Red (25%)

Green (45%)

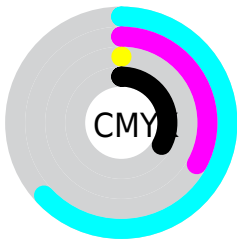
Blue (67%)



Red (25%)

Yellow (38%)

Blue (67%)

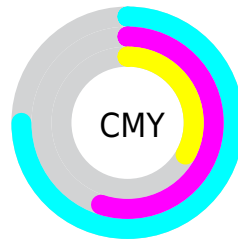


Cyan (63%)

Magenta (33%)

Yellow (0%)

Black (33%)



Cyan (75%)

Magenta (55%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4179, 16.0317, 40.8099 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 15.4179, 16.0317, 40.8099 by changing the saturation by 10% instead.

■ 15.4179, 16.0317,
40.8099

■ 15.4179, 16.0317,
40.8099

219.2205,
229.5287, 365.1786

■ 9.2014, 9.5466,
27.8520

■ 35.1503, 36.6532,
77.6458

■ 4.9310, 5.0994,
17.9761

■ 49.3970, 51.5584,
102.3608

■ 2.2411, 2.3057,
10.7635

■ 67.0511, 70.0391,
131.8320

■ 0.7643, 0.7767,
5.7959

■ 88.4779, 92.4797,
166.4778

■ 0.0000, 0.0000,
2.6546

■ 114.0430,
119.2645, 206.7168

■ 0.0000, 0.0000,
0.9204

144.1115,

■ 0.0000, 0.0000,

150.7781, 252.9676

0.0000

179.0489,
187.4047, 305.6487

■ 15.4179, 16.0317,
40.8099

■ 15.4179, 16.0317,
40.8099

■ 13.5224, 13.6173,
40.4441

■ 17.7542, 18.8230,
41.2259

■ 12.0304, 11.5555,
40.1248

■ 20.5608, 22.0097,
41.6930

■ 10.9005, 9.8207,
39.8495

■ 23.8663, 25.6109,
42.2139

■ 10.2745, 8.7878,
39.6831

■ 27.6965, 29.6436,
42.7904

■ 32.0754, 34.1238,
43.4244

■ 37.0251, 39.0667,
44.1176

■ 42.5667, 44.4864,
44.8716

■ 48.7203, 50.3967,
45.6881

■ 55.5046, 56.8106,
46.5685

Harmonies

Analogous

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



12.5738, 16.0317, 37.3232



15.4179, 16.0317, 40.8099



18.6064, 16.0317, 36.4762

Triad

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



15.4179, 16.0317, 40.8099



20.9177, 16.0317, 9.9050



10.5508, 16.0317, 10.5281

Complementary

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



15.4179, 16.0317, 40.8099



24.4091, 22.4510, 7.7504

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.



12.3022, 16.0317, 6.5570



15.4179, 16.0317, 40.8099



18.2534, 16.0317, 6.2929

Square

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



15.4179, 16.0317, 40.8099



22.0382, 16.0317, 16.9466



15.0588, 16.0317, 5.3158



10.0034, 16.0317, 17.9751

Rectangle

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



15.4179, 16.0317, 40.8099



20.4360, 16.0317, 30.3760



15.0588, 16.0317, 5.3158



11.0053, 16.0317, 8.8435

Sweetspot

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



15.4185, 16.0322, 40.8103



52.4794, 56.0578, 77.0562



19.9312, 31.5102, 22.4224



11.2320, 12.0158, 17.1150



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



15.4185, 16.0322, 40.8103



23.0143, 22.7665, 72.1833



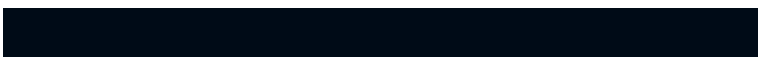
11.2957, 7.6131, 39.4025



7.8791, 8.3575, 10.1506



7.7974, 6.7286, 29.9323



0.2720, 0.2973, 0.8510

Inverse Universe

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



21.6099, 13.4286, 17.3731



35.5866, 19.7640, 24.0793



31.8657, 37.9423, 10.3475



8.1568, 8.0760, 9.1363



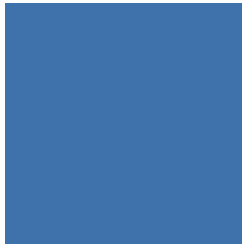
13.7994, 6.9823, 6.5890



0.4117, 0.2054, 0.3296

Previews

White Background



This preview shows how the XYZ color 15.4179, 16.0317, 40.8099 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 15.4179, 16.0317, 40.8099 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 15.4179, 16.0317, 40.8099

Background



This preview shows how black text looks on a background with the XYZ color 15.4179, 16.0317, 40.8099.



This preview shows how white text looks on a background with the XYZ color 15.4179, 16.0317,

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

15.4179, 16.0317, 40.8099

Protanopia

16.7581, 15.9514, 38.7549

Deuteranopia

16.4391, 16.0529, 41.2618



Tritanopia

12.1207, 16.0986, 24.2983

Trichromacy



Original Color

15.4179, 16.0317, 40.8099

Protanomaly

16.1457, 15.9454, 39.2726

Deuteranomaly

16.0646, 16.0227, 41.2757

Tritanomaly

13.1005, 15.9471, 29.5818

Monochromacy



Original Color

15.4179, 16.0317, 40.8099

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.5415, 14.4838, 22.8508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4179, 16.0317, 40.8099 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(63, 114, 171)` looks like.

```
.text, #text, p{  
    color:rgb(63, 114, 171)  
}
```

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(63, 114, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 114, 171) }
```

Border

The CSS property to change the border of an element to XYZ 15.4179, 16.0317, 40.8099 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(63, 114, 171) }
```


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

```
.border{ border-color:rgb(63, 114, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 114, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 114, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 114, 171);  
box-shadow:4px 4px 4px 4px rgb(63, 114,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4179, 16.0317, 40.8099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 114, 171) }
```

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

```
.background{ background-color: rgb(63, 114,  
171) }
```

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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