

Converting Colors

XYZ(15.3969, 16.0334, 42.8440)

Have a look what the booklet for
XYZ(15.3969, 16.0334, 42.8440)
contains.

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Color

**XYZ(15.3307, 15.9420,
42.8265)**

Conversions

Conversions Part 1

Format	Color
Hex	3772AF
RGB	55, 114, 175
RGB Percent	22%, 45%, 69%
CMY	0.7843, 0.5529, 0.3137
CMYK	0.69, 0.35, 0.00, 0.31
HSL	211°, 52%, 45%
HSV	211°, 69%, 69%
XYZ	15.3307, 15.9420, 42.8265
YIQ	103.3130, -54.7450, 6.4630

Conversions

Conversions Part 2

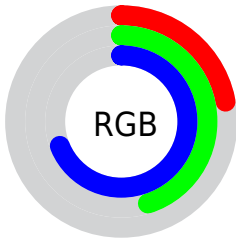
Format	Color
R_{YB}	55, 95, 175
Decimal	3633839
CIE _{Lab}	46.90, 1.06, -38.09
CIE _{LCh}	47, 38.106, 271.593
Yxy	15.9420, 0.2069, 0.2151
Android (android.graphics.Color)	4281823919 (0xFF3772AF)
YUV	103.3130, 35.3417, -42.3705
Hunter-Lab	39.9274, -1.3354, -35.6457

Details

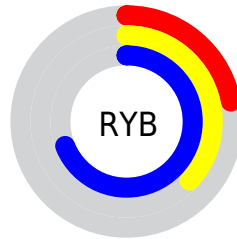
The XYZ color **15.3307, 15.9420, 42.8265** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **24.6151, 21.8821, 6.5416**, and the grayscale version is **12.8954, 13.5669, 14.7744**.

A 20% lighter version of the original color is **35.1303, 36.6868, 80.8310**, and **5.5200, 5.4195, 19.1675** is the 20% darker color. If you saturate the color by 10%, you get **13.5815, 13.6225, 42.4713**, and if you desaturate by 10%, it is **17.5186, 18.6330, 43.2309**.

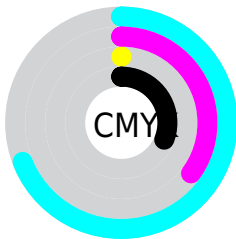
Distribution



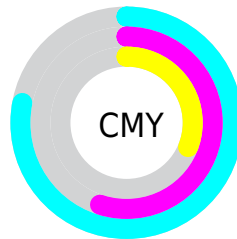
- Red (22%)
- Green (45%)
- Blue (69%)



- Red (22%)
- Yellow (37%)
- Blue (69%)



- Cyan (69%)
- Magenta (35%)
- Yellow (0%)
- Black (31%)



- Cyan (78%)
- Magenta (55%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3307, 15.9420, 42.8265 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 15.3307, 15.9420, 42.8265 by changing the saturation by 10% instead.

■ 15.3307, 15.9420,
42.8265

■ 15.3307, 15.9420,
42.8265

218.7081,
228.9992, 373.7980

■ 9.1396, 9.4831,
29.4186

■ 34.9992, 36.4975,
80.7325

■ 4.8902, 5.0576,
19.1494

■ 49.2073, 51.3629,
106.0677

■ 2.2171, 2.2811,
11.6004

■ 66.8186, 69.7992,
136.2158

■ 0.7517, 0.7637,
6.3530

■ 88.1982, 92.1909,
171.5953

■ 0.0000, 0.0000,
2.9886

■ 113.7116,
118.9224, 212.6247

■ 0.0000, 0.0000,
1.0888

143.7242,

■ 0.0000, 0.0000,

150.3780, 259.7226

0.0000

178.6012,
186.9422, 313.3075

■ 15.3307, 15.9420,
42.8265

■ 15.3307, 15.9420,
42.8265

■ 13.5815, 13.6225,
42.4713

■ 17.5186, 18.6330,
43.2309

■ 12.2285, 11.6479,
42.1615

■ 20.1784, 21.7158,
43.6858

■ 11.2029, 9.9785,
41.8933

■ 23.3417, 25.2109,
44.1937

■ 11.0688, 9.7569,
41.8576

■ 27.0368, 29.1365,
44.7567

■ 31.2898, 33.5095,
45.3766

■ 36.1247, 38.3458,
46.0552

■ 41.5644, 43.6605,
46.7944

■ 47.6302, 49.4677,
47.5956

■ 54.3425, 55.7812,
48.4604

Harmonies

Analogous

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



12.3115, 15.9420, 38.9403



15.3307, 15.9420, 42.8265



18.7521, 15.9420, 38.0751

Triad

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



15.3307, 15.9420, 42.8265



21.2723, 15.9420, 9.4284



10.1986, 15.9420, 10.0271

Complementary

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



15.3307, 15.9420, 42.8265



24.6151, 21.8821, 6.5416

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.



12.0456, 15.9420, 5.9715



15.3307, 15.9420, 42.8265



18.3997, 15.9420, 5.7252

Square

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



15.3307, 15.9420, 42.8265



22.4786, 15.9420, 16.8544



14.9755, 15.9420, 4.7395



9.6209, 15.9420, 17.8718

Rectangle

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



15.3307, 15.9420, 42.8265



20.7308, 15.9420, 31.3880



14.9755, 15.9420, 4.7395



10.6769, 15.9420, 8.2914

Sweetspot

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



15.3313, 15.9425, 42.8269



53.8062, 57.7424, 80.9464



20.0007, 32.7105, 21.4804



11.4968, 12.3598, 17.9241



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



15.3313, 15.9425, 42.8269



23.0650, 22.6082, 75.7850



10.6803, 6.6406, 41.2766



7.8918, 8.3830, 10.1548



7.9880, 7.1099, 29.9958



0.2771, 0.3076, 0.8527

Inverse Universe

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



22.0832, 13.0620, 17.2773



36.6392, 19.5738, 23.8012



33.6992, 40.0501, 9.5696



8.1632, 8.0785, 9.1702



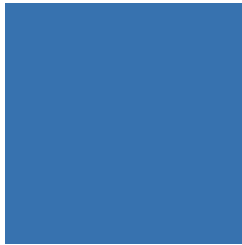
13.8956, 7.0208, 7.0958



0.4143, 0.2064, 0.3433

Previews

White Background



This preview shows how the XYZ color 15.3307, 15.9420, 42.8265 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 15.3307, 15.9420, 42.8265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

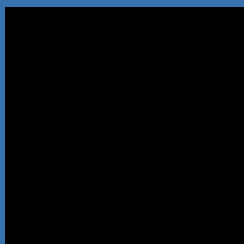
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

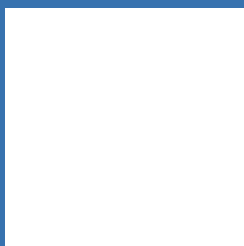
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.3307, 15.9420, 42.8265

Background



This preview shows how black text looks on a background with the XYZ color 15.3307, 15.9420, 42.8265.



This preview shows how white text looks on a background with the XYZ color 15.3307, 15.9420,

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

15.3307, 15.9420, 42.8265

Protanopia

16.7488, 15.9143, 40.2192

Deuteranopia

16.3450, 15.9593, 43.2933



Tritanopia

11.6699, 16.0415, 24.6716

Trichromacy



Original Color

15.3307, 15.9420, 42.8265

Protanomaly

16.1113, 15.8839, 41.2465

Deuteranomaly

15.9454, 15.9162, 43.3060

Tritanomaly

12.7549, 15.9284, 30.4192

Monochromacy



Original Color

15.3307, 15.9420, 42.8265

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.0579, 14.0788, 22.7981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3307, 15.9420, 42.8265 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(55, 114, 175)` looks like.

```
.text, #text, p{  
    color:rgb(55, 114, 175)  
}
```

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(55, 114, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 114, 175) }
```

Border

The CSS property to change the border of an element to XYZ 15.3307, 15.9420, 42.8265 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(55, 114, 175) }
```


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

```
.border{ border-color:rgb(55, 114, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 114, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 114, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 114, 175);  
box-shadow:4px 4px 4px 4px rgb(55, 114,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3307, 15.9420, 42.8265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 114, 175) }
```

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

```
.background{ background-color: rgb(55, 114,  
175) }
```

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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