

Converting Colors

XYZ(15.9853, 15.6769, 42.7418)

Have a look what the booklet for
XYZ(15.9853, 15.6769, 42.7418)
contains.

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Color

**XYZ(15.9863, 15.6247,
42.7307)**

Conversions

Conversions Part 1

Format	Color
Hex	486EAF
RGB	72, 110, 175
RGB Percent	28%, 43%, 69%
CMY	0.7176, 0.5686, 0.3137
CMYK	0.59, 0.37, 0.00, 0.31
HSL	218°, 42%, 48%
HSV	218°, 59%, 69%
XYZ	15.9863, 15.6247, 42.7307
YIQ	106.0480, -43.5130, 12.1590

Conversions

Conversions Part 2

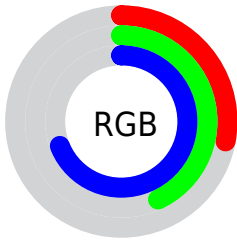
Format	Color
R_{YB}	72, 100, 175
Decimal	4746927
CIE Lab	46.48, 6.70, -38.71
CIE LCh	46, 39.282, 279.814
Yxy	15.6247, 0.2150, 0.2102
Android (android.graphics.Color)	4282937007 (0xFF486EAF)
YUV	106.0480, 33.9933, -29.8601
Hunter-Lab	39.5281, 3.0164, -36.4241

Details

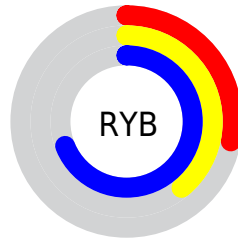
The XYZ color **15.9863, 15.6247, 42.7307** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **27.7956, 27.4748, 9.9701**, and the grayscale version is **13.6317, 14.3416, 15.6180**.

A 20% lighter version of the original color is **36.0708, 35.8485, 80.6196**, and **5.2904, 4.9602, 19.0909** is the 20% darker color. If you saturate the color by 10%, you get **13.7443, 12.8090, 42.3057**, and if you desaturate by 10%, it is **18.7494, 18.9299, 43.2234**.

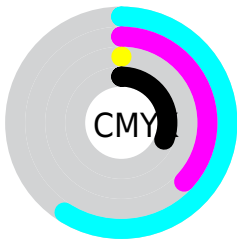
Distribution



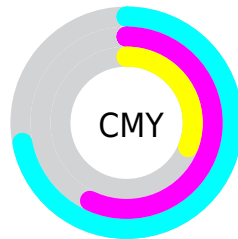
- Red (28%)
- Green (43%)
- Blue (69%)



- Red (28%)
- Yellow (39%)
- Blue (69%)



- Cyan (59%)
- Magenta (37%)
- Yellow (0%)
- Black (31%)



- Cyan (72%)
- Magenta (57%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9863, 15.6247, 42.7307 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 15.9863, 15.6247, 42.7307 by changing the saturation by 10% instead.

■ 15.9863, 15.6247,
42.7307

■ 15.9863, 15.6247,
42.7307

222.5328,
227.1168, 373.3917

■ 9.6052, 9.2590,
29.3440

■ 36.1321, 35.9454,
80.5863

■ 5.1983, 4.9105,
19.0934

■ 50.6275, 50.6692,
105.8923

■ 2.4000, 2.1948,
11.5603

■ 68.5584, 68.9478,
136.0086

■ 0.8451, 0.7172,
6.3262

■ 90.2901, 91.1656,
171.3536

■ 0.0000, 0.0000,
2.9724

■ 116.1881,
117.7071, 212.3458

■ 0.0000, 0.0000,
1.0806

146.6177,

■ 0.0000, 0.0000,

148.9565, 259.4039

0.0000

181.9441,
185.2983, 312.9464

■ 15.9863, 15.6247,
42.7307

■ 15.9863, 15.6247,
42.7307

■ 13.7443, 12.8090,
42.3057

■ 18.7494, 18.9299,
43.2234

■ 11.9836, 10.4537,
41.9439

■ 22.0655, 22.7482,
43.7856

■ 10.6611, 8.5281,
41.6419

■ 25.9660, 27.1032,
44.4206

■ 9.7010, 6.9841,
41.3945

■ 30.4793, 32.0165,
45.1311

■ 9.6030, 6.8253,
41.3690

■ 35.6318, 37.5084,
45.9196

■ 41.4484, 43.5982,
46.7885

■ 47.9525, 50.3041,
47.7400

■ 55.1664, 57.6437,
48.7765

■ 63.1113, 65.6335,
49.8999

Harmonies

Analogous

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



12.7194, 15.6247, 41.1419



15.9863, 15.6247, 42.7307



19.4126, 15.6247, 35.6868

Triad

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



15.9863, 15.6247, 42.7307



20.4227, 15.6247, 7.6616



9.5483, 15.6247, 11.3647

Complementary

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



15.9863, 15.6247, 42.7307



27.7956, 27.4748, 9.9701

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.



11.0663, 15.6247, 6.3472



15.9863, 15.6247, 42.7307



17.2080, 15.6247, 4.8409

Square

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



15.9863, 15.6247, 42.7307



22.2188, 15.6247, 14.0333



13.7704, 15.6247, 4.4739



9.3236, 15.6247, 20.3864

Rectangle

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



15.9863, 15.6247, 42.7307



21.2062, 15.6247, 28.1912



13.7704, 15.6247, 4.4739



9.9119, 15.6247, 9.2656

Sweetspot

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



15.9869, 15.6252, 42.7311



55.0581, 57.8470, 80.9006



22.4128, 33.8020, 28.4570



11.6932, 12.2702, 17.8964



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.



15.9869, 15.6252, 42.7311



23.4590, 21.4280, 75.5365



13.7138, 9.6165, 41.6911



7.8118, 8.2231, 10.1282



6.9315, 4.9968, 29.6437



0.2460, 0.2455, 0.8424

Inverse Universe

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



22.8116, 14.8753, 16.4211



37.3185, 21.6850, 21.7076



31.6011, 38.9130, 11.9773



8.1228, 8.0624, 8.9576



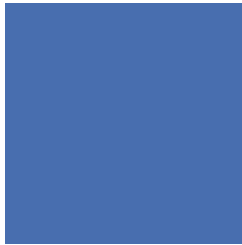
13.3623, 6.8075, 4.2875



0.3986, 0.2001, 0.2607

Previews

White Background



This preview shows how the XYZ color 15.9863, 15.6247, 42.7307 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 15.9863, 15.6247, 42.7307 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

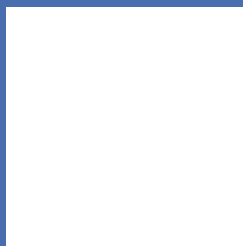
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.9863, 15.6247, 42.7307

Background



This preview shows how black text looks on a background with the XYZ color 15.9863, 15.6247, 42.7307.



This preview shows how white text looks on a background with the XYZ color 15.9863, 15.6247,

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

15.9863, 15.6247, 42.7307

Protanopia

16.6517, 15.6735, 41.6828

Deuteranopia

15.9863, 15.6247, 42.7307



Tritanopia

11.9754, 15.5087, 23.1312

Trichromacy



Original Color

15.9863, 15.6247, 42.7307

Protanomaly

16.4169, 15.6987, 42.2093

Deuteranomaly

15.9863, 15.6247, 42.7307

Tritanomaly

13.2373, 15.4959, 29.4875

Monochromacy



Original Color

15.9863, 15.6247, 42.7307

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.9705, 14.5338, 23.5417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9863, 15.6247, 42.7307 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(72, 110, 175)` looks like.

```
.text, #text, p{  
    color:rgb(72, 110, 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(72, 110, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 110, 175) }
```

Border

The CSS property to change the border of an element to XYZ 15.9863, 15.6247, 42.7307 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(72, 110, 175) }
```


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

```
.border{ border-color:rgb(72, 110, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 110, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 110, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 110, 175);  
box-shadow:4px 4px 4px 4px rgb(72, 110,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9863, 15.6247, 42.7307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 110, 175) }
```

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

```
.background{ background-color: rgb(72, 110,  
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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