

Converting Colors

XYZ(11.4432, 13.6867, 32.1757)

Have a look what the booklet for
XYZ(11.4432, 13.6867, 32.1757)
contains.

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Color

**XYZ(11.4342, 13.6688,
32.1727)**

Conversions

Conversions Part 1

Format	Color
Hex	006F99
RGB	0, 111, 153
RGB Percent	0%, 44%, 60%
CMY	0.9999, 0.5647, 0.4000
CMYK	1.00, 0.27, 0.00, 0.40
HSL	196°, 100%, 30%
HSV	196°, 100%, 60%
XYZ	11.4342, 13.6688, 32.1727
YIQ	82.5990, -79.6380, -10.4700

Conversions

Conversions Part 2

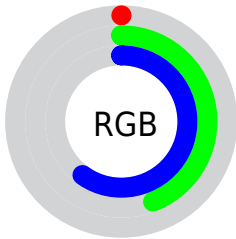
Format	Color
R _{YB}	0, 64, 153
Decimal	28569
CIE _{Lab}	43.75, -10.73, -30.19
CIE _{LCh}	44, 32.038, 250.425
Y _{xy}	13.6688, 0.1996, 0.2386
Android (android.graphics.Color)	4278218649 (0xFF006F99)
Y _{UV}	82.5990, 34.7077, -72.4393
Hunter-Lab	36.9713, -9.4948, -25.7146

Details

The XYZ color **11.4342, 13.6688, 32.1727** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **13.9659, 8.4299, 0.8917**, and the grayscale version is **8.0858, 8.5069, 9.2640**.

A 20% lighter version of the original color is **28.2287, 32.6797, 64.4945**, and **4.1758, 4.5143, 13.2216** is the 20% darker color. If you saturate the color by 10%, you get **11.4337, 13.6678, 32.1728**, and if you desaturate by 10%, it is **12.1059, 14.7118, 32.3389**.

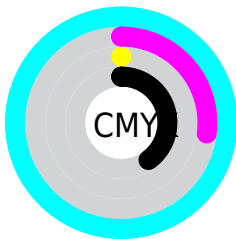
Distribution



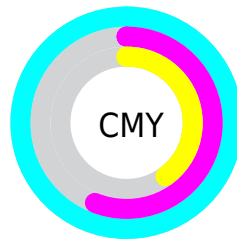
- Red (0%)
- Green (44%)
- Blue (60%)



- Red (0%)
- Yellow (25%)
- Blue (60%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (40%)



- Cyan (100%)
- Magenta (56%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.4342, 13.6688, 32.1727 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 11.4342, 13.6688, 32.1727 by changing the saturation by 10% instead.

■ 11.4342, 13.6688,
32.1727

■ 11.4342, 13.6688,
32.1727

194.4701,
215.1606, 326.4221

■ 6.4291, 7.8907,
21.2275

■ 28.0862, 32.5002,
64.1828

■ 3.1508, 4.0251,
13.0976

■ 40.4639, 46.3223,
86.0848

■ 1.2340, 1.6876,
7.3642

■ 56.0297, 63.5944,
112.4761

■ 0.1330, 0.4156,
3.6090

■ 75.1492, 84.7011,
143.7754

■ 0.0000, 0.0000,
1.4134

■ 98.1876, 110.0266,
180.4011

■ 0.0000, 0.0000,
0.1521

■ 125.5103,

■ 0.0000, 0.0000,

139.9555, 222.7717

0.0000

157.4827,
174.8720, 271.3059

■ 11.4342, 13.6688,
32.1727

■ 11.4342, 13.6688,
32.1727

■ 11.4337, 13.6678,
32.1728

■ 12.1059, 14.7118,
32.3389

■ 12.9484, 15.8751,
32.5190

■ 14.0311, 17.1950,
32.7167

■ 15.3816, 18.6863,
32.9334

■ 17.0238, 20.3616,
33.1702

■ 18.9788, 22.2322,
33.4282

■ 21.2654, 24.3082,
33.7084

■ 23.9012, 26.5990,
34.0117

■ 26.9021, 29.1133,
34.3388

Harmonies

Analogous

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



9.6395, 13.6688, 25.8242



11.4342, 13.6688, 32.1727



13.8889, 13.6688, 33.1407

Triad

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



11.4342, 13.6688, 32.1727



18.3670, 13.6688, 12.5093



10.0948, 13.6688, 6.6179

Complementary

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



11.4342, 13.6688, 32.1727



13.9659, 8.4299, 0.8917

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.



12.1341, 13.6688, 4.9781



11.4342, 13.6688, 32.1727



17.0430, 13.6688, 7.5730

Square

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



11.4342, 13.6688, 32.1727



18.1160, 13.6688, 20.0365



14.6848, 13.6688, 5.2595



8.9383, 13.6688, 10.6989

Rectangle

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



11.4342, 13.6688, 32.1727



15.6048, 13.6688, 30.3532



14.6848, 13.6688, 5.2595



10.6881, 13.6688, 5.8338

Sweetspot

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



11.4347, 13.6693, 32.1730



37.8173, 43.2961, 60.3358



11.7887, 22.9417, 5.8879



7.9895, 9.2362, 13.2792



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



11.4347, 13.6693, 32.1730



20.3149, 24.1543, 57.5635



6.3725, 3.5448, 30.4856



6.2411, 6.7396, 7.9009



9.4784, 11.3536, 26.5996



0.1714, 0.2292, 0.4076

Inverse Universe

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



16.0066, 7.9206, 15.7245



28.5831, 14.1510, 27.7281



19.5341, 19.5664, 2.7478



6.3888, 6.2947, 7.4277



13.2430, 6.5515, 13.0708



0.2130, 0.1039, 0.2744

Previews

White Background



This preview shows how the XYZ color 11.4342, 13.6688, 32.1727 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 11.4342, 13.6688, 32.1727 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 11.4342, 13.6688, 32.1727

Background



This preview shows how black text looks on a background with the XYZ color 11.4342, 13.6688, 32.1727.

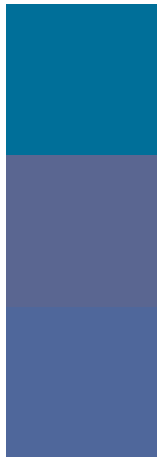


This preview shows how white text looks on a background with the XYZ color 11.4342, 13.6688,

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

11.4342, 13.6688, 32.1727

Protanopia

14.0787, 13.7207, 28.6944

Deuteranopia

13.9911, 13.7293, 32.9230



Tritanopia

9.7059, 13.6915, 20.8701

Trichromacy



Original Color

11.4342, 13.6688, 32.1727

Protanomaly

12.0842, 13.1111, 29.9108

Deuteranomaly

12.3022, 13.3193, 32.4943

Tritanomaly

10.3204, 13.7559, 24.6655

Monochromacy



Original Color

11.4342, 13.6688, 32.1727

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

8.0893, 9.6683, 15.6272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.4342, 13.6688, 32.1727 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, 111, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 111, 153)  
}
```

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, 111, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 111, 153) }
```

Border

The CSS property to change the border of an element to XYZ 11.4342, 13.6688, 32.1727 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, 111, 153) }
```


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

```
.border{ border-color:rgb(0, 111, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 111, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 111, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 111, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 111,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 11.4342, 13.6688, 32.1727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 111, 153) }
```

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

```
.background{ background-color: rgb(0, 111,  
153) }
```

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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