

Converting Colors

XYZ(11.7537, 12.0880, 42.6289)

Have a look what the booklet for
XYZ(11.7537, 12.0880, 42.6289)
contains.

XYZ(12.4902, 12.4420, 42.8175)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.4902, 12.4420,
42.8175)**

Conversions

Conversions Part 1

Format	Color
Hex	0065B0
RGB	0, 101, 176
RGB Percent	0%, 40%, 69%
CMY	0.9999, 0.6039, 0.3098
CMYK	1.00, 0.43, 0.00, 0.31
HSL	206°, 100%, 35%
HSV	206°, 100%, 69%
XYZ	12.4902, 12.4420, 42.8175
YIQ	79.3510, -84.2710, 1.9130

Conversions

Conversions Part 2

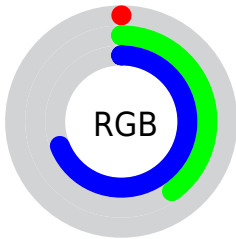
Format	Color
RYB	0, 64, 176
Decimal	26032
CIELab	41.91, 4.59, -46.68
CIELCh	42, 46.907, 275.616
Yxy	12.4420, 0.1844, 0.1836
Android (android.graphics.Color)	4278216112 (0xFF0065B0)
YUV	79.3510, 47.6480, -69.5908
Hunter-Lab	35.2732, 1.4785, -47.2798

Details

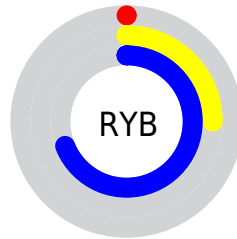
The XYZ color **12.4902, 12.4420, 42.8175** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **20.4233, 14.2672, 1.6785**, and the grayscale version is **7.4243, 7.8110, 8.5061**.

A 20% lighter version of the original color is **29.9465, 30.1836, 80.5916**, and **4.9413, 4.1624, 19.2819** is the 20% darker color. If you saturate the color by 10%, you get **12.4888, 12.4391, 42.8173**, and if you desaturate by 10%, it is **13.4949, 14.0911, 43.0832**.

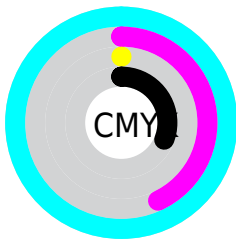
Distribution



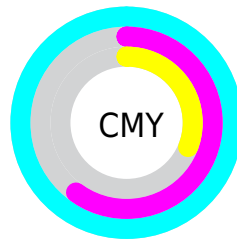
- Red (0%)
- Green (40%)
- Blue (69%)



- Red (0%)
- Yellow (25%)
- Blue (69%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (60%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4902, 12.4420, 42.8175 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 12.4902, 12.4420, 42.8175 by changing the saturation by 10% instead.

■ 12.4902, 12.4420,
42.8175

■ 12.4902, 12.4420,
42.8175

201.3284,
207.3099, 373.7598

■ 7.1530, 7.0455,
29.4116

■ 29.9940, 30.2976,
80.7188

■ 3.6052, 3.4905,
19.1442

■ 42.8913, 43.5254,
106.0513

■ 1.4813, 1.3929,
11.5966

■ 59.0394, 60.1325,
136.1964

■ 0.3130, 0.2115,
6.3505

■ 78.8035, 80.5032,
171.5726

■ 0.0000, 0.0000,
2.9871

■ 102.5492,
105.0218, 212.5985

■ 0.0000, 0.0000,
1.0881

■ 130.6416,

■ 0.0000, 0.0000,

134.0729, 259.6927

0.0000

163.4462,
168.0408, 313.2736

■ 12.4902, 12.4420,
42.8175

■ 12.4902, 12.4420,
42.8175

■ 12.4888, 12.4391,
42.8173

■ 13.4949, 14.0911,
43.0832

■ 14.7835, 15.9877,
43.3813

■ 16.4419, 18.1787,
43.7168

■ 18.5111, 20.6874,
44.0920

■ 21.0260, 23.5343,
44.5089

■ 24.0177, 26.7374,
44.9695

■ 27.5139, 30.3132,
45.4755

■ 31.5403, 34.2772,
46.0284

■ 36.1209, 38.6436,
46.6297

Harmonies

Analogous

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



9.2813, 12.4420, 39.4397



12.4902, 12.4420, 42.8175



16.1485, 12.4420, 35.7516

Triad

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



12.4902, 12.4420, 42.8175



18.1156, 12.4420, 5.1929



6.7336, 12.4420, 7.0945

Complementary

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



12.4902, 12.4420, 42.8175



20.4233, 14.2672, 1.6785

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.



8.3527, 12.4420, 3.1988



12.4902, 12.4420, 42.8175



14.7972, 12.4420, 2.5368

Square

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



12.4902, 12.4420, 42.8175



19.7788, 12.4420, 11.7634



11.1853, 12.4420, 2.0451



6.3544, 12.4420, 15.5028

Rectangle

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



12.4902, 12.4420, 42.8175



18.2250, 12.4420, 27.4438



11.1853, 12.4420, 2.0451



7.1330, 12.4420, 5.3723

Sweetspot

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



12.4907, 12.4424, 42.8178



49.5304, 54.6061, 82.4248



16.7403, 31.5369, 11.5701



10.1492, 11.2416, 17.7793



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.



12.4907, 12.4424, 42.8178



22.4210, 22.1016, 77.5796



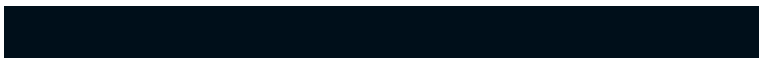
8.0036, 3.4681, 41.3221



8.4332, 9.0126, 10.8015



9.2221, 9.2446, 31.4353



0.3466, 0.4037, 1.0079

Inverse Universe

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



20.2540, 10.1705, 13.2077



36.6160, 18.3976, 23.3372



30.7086, 34.8379, 5.1069



8.6938, 8.5843, 9.8862



14.8896, 7.4734, 9.8443



0.4970, 0.2465, 0.4597

Previews

White Background



This preview shows how the XYZ color 12.4902, 12.4420, 42.8175 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 12.4902, 12.4420, 42.8175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

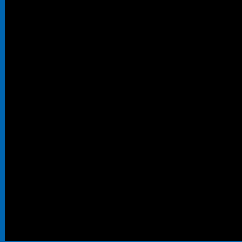
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4902, 12.4420, 42.8175

Background



This preview shows how black text looks on a background with the XYZ color 12.4902, 12.4420, 42.8175.



This preview shows how white text looks on a background with the XYZ color 12.4902, 12.4420,

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

12.4902, 12.4420, 42.8175

Protanopia

13.7135, 12.4298, 40.2045

Deuteranopia

12.7703, 12.4431, 42.8030



Tritanopia

8.7868, 12.4362, 18.7669

Trichromacy



Original Color

12.4902, 12.4420, 42.8175

Protanomaly

12.8250, 12.2239, 41.2187

Deuteranomaly

12.5906, 12.3505, 42.7946

Tritanomaly

9.8451, 12.3504, 25.9097

Monochromacy



Original Color

12.4902, 12.4420, 42.8175

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

7.7609, 8.7094, 17.1916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4902, 12.4420, 42.8175 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, 101, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 101, 176)  
}
```

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, 101, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 101, 176) }
```

Border

The CSS property to change the border of an element to XYZ 12.4902, 12.4420, 42.8175 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, 101, 176) }
```


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

```
.border{ border-color:rgb(0, 101, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 101, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 101, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 101, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 101,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4902, 12.4420, 42.8175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 101, 176) }
```

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

```
.background{ background-color: rgb(0, 101,  
176) }
```

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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