

Converting Colors

XYZ(6.4167, 8.5033, 44.3457)

Have a look what the booklet for
XYZ(6.4167, 8.5033, 44.3457)
contains.

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Color

**XYZ(12.4211, 11.6610,
44.7762)**

Conversions

Conversions Part 1

Format	Color
Hex	0060B4
RGB	0, 96, 180
RGB Percent	0%, 38%, 71%
CMY	0.9999, 0.6235, 0.2941
CMYK	1.00, 0.47, 0.00, 0.29
HSL	208°, 100%, 35%
HSV	208°, 100%, 71%
XYZ	12.4211, 11.6610, 44.7762
YIQ	76.8720, -84.1800, 5.7720

Conversions

Conversions Part 2

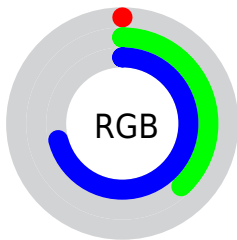
Format	Color
R_{YB}	0, 63, 180
Decimal	24756
CIE _{Lab}	40.67, 9.46, -51.02
CIE _{LCh}	41, 51.886, 280.501
Yxy	11.6610, 0.1804, 0.1693
Android (android.graphics.Color)	4278214836 (0xFF0060B4)
YUV	76.8720, 50.8421, -67.4167
Hunter-Lab	34.1482, 5.1684, -53.8392

Details

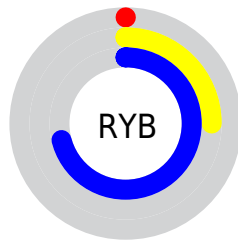
The XYZ color **12.4211, 11.6610, 44.7762** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **21.9959, 16.0499, 1.9397**, and the grayscale version is **6.9524, 7.3144, 7.9654**.

A 20% lighter version of the original color is **29.8328, 28.8892, 83.3607**, and **4.9497, 3.8740, 20.2255** is the 20% darker color. If you saturate the color by 10%, you get **12.4196, 11.6580, 44.7760**, and if you desaturate by 10%, it is **13.4793, 13.4060, 45.0575**.

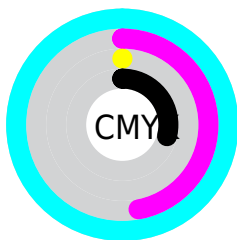
Distribution



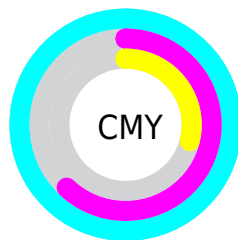
- Red (0%)
- Green (38%)
- Blue (71%)



- Red (0%)
- Yellow (25%)
- Blue (71%)



- Cyan (100%)
- Magenta (47%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (62%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4211, 11.6610, 44.7762 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 12.4211, 11.6610, 44.7762 by changing the saturation by 10% instead.

■ 12.4211, 11.6610,
44.7762

■ 12.4211, 11.6610,
44.7762

200.8870,
202.1479, 382.0001

■ 7.1054, 6.5133,
30.9395

■ 29.8700, 28.8762,
83.6994

■ 3.5750, 3.1596,
20.2947

■ 42.7339, 41.7124,
109.6229

■ 1.4646, 1.2156,
12.4233

■ 58.8446, 57.8803,
140.4125

■ 0.3016, 0.0744,
6.9066

■ 78.5674, 77.7642,
176.4867

■ 0.0000, 0.0000,
3.3262

■ 102.2677,
101.7485, 218.2640

■ 0.0000, 0.0000,
1.2635

■ 130.3108,

■ 0.0000, 0.0000,

130.2176, 266.1630

0.0316

163.0621,
163.5560, 320.6022

■ 0.0000, 0.0000,
0.0000

■ 12.4211, 11.6610,
44.7762

■ 12.4211, 11.6610,
44.7762

■ 12.4196, 11.6580,
44.7760

■ 13.4793, 13.4060,
45.0575

■ 14.8504, 15.4375,
45.3774

■ 16.6240, 17.8053,
45.7409

■ 18.8440, 20.5354,
46.1509

■ 21.5481, 23.6504,
46.6096

■ 24.7695, 27.1704,
47.1193

■ 28.5381, 31.1141,
47.6818

■ 32.8816, 35.4985,
48.2992

■ 37.8257, 40.3397,
48.9731

Harmonies

Analogous

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



8.8892, 11.6610, 42.9002



12.4211, 11.6610, 44.7762



16.3322, 11.6610, 35.1234

Triad

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



12.4211, 11.6610, 44.7762



17.3679, 11.6610, 3.5700



5.6699, 11.6610, 7.0714

Complementary

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



12.4211, 11.6610, 44.7762



21.9959, 16.0499, 1.9397

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.



7.1002, 11.6610, 2.6910



12.4211, 11.6610, 44.7762



13.6119, 11.6610, 1.5817

Square

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



12.4211, 11.6610, 44.7762



19.5791, 11.6610, 9.3557



9.8454, 11.6610, 1.3856



5.4885, 11.6610, 16.7516

Rectangle

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



12.4211, 11.6610, 44.7762



18.4369, 11.6610, 25.4879



9.8454, 11.6610, 1.3856



6.0028, 11.6610, 5.1143

Sweetspot

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



12.4216, 11.6613, 44.7765



51.3547, 56.0145, 86.3998



17.9229, 33.2834, 13.8713



10.4652, 11.4489, 18.5805



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



12.4216, 11.6613, 44.7765



22.2836, 20.6670, 81.1093



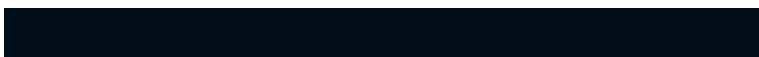
8.3043, 3.4266, 43.4041



8.4046, 8.9554, 10.7919



8.7359, 8.2721, 31.2732



0.3326, 0.3757, 1.0032

Inverse Universe

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



20.9343, 10.5487, 11.9991



37.8369, 19.0773, 21.1228



33.9591, 39.9763, 5.9274



8.6794, 8.5785, 9.8102



14.6441, 7.3752, 8.5519



0.4899, 0.2437, 0.4225

Previews

White Background



This preview shows how the XYZ color 12.4211, 11.6610, 44.7762 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 12.4211, 11.6610, 44.7762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

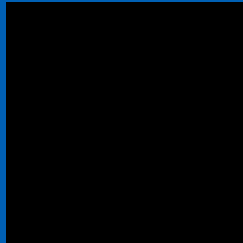
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4211, 11.6610, 44.7762

Background



This preview shows how black text looks on a background with the XYZ color 12.4211, 11.6610, 44.7762.



This preview shows how white text looks on a background with the XYZ color 12.4211, 11.6610,

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

12.4211, 11.6610, 44.7762

Protanopia

13.3184, 11.7599, 43.1629

Deuteranopia

11.8141, 11.7139, 40.6681



Tritanopia

8.1913, 11.5230, 17.7120

Trichromacy



Original Color

12.4211, 11.6610, 44.7762

Protanomaly

12.6983, 11.5598, 43.6815

Deuteranomaly

12.0126, 11.6445, 42.1719

Tritanomaly

9.3388, 11.3377, 25.7409

Monochromacy



Original Color

12.4211, 11.6610, 44.7762

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

7.4742, 8.2085, 17.1101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4211, 11.6610, 44.7762 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, 96, 180)` looks like.

```
.text, #text, p{  
    color:rgb(0, 96, 180)  
}
```

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, 96, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 96, 180) }
```

Border

The CSS property to change the border of an element to XYZ 12.4211, 11.6610, 44.7762 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, 96, 180) }
```


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

```
.border{ border-color:rgb(0, 96, 180) }
```

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

Here you see how a box with a 4 pixel rgb(0, 96, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 96, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 96, 180);  
box-shadow:4px 4px 4px 4px rgb(0, 96, 180)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.4211, 11.6610, 44.7762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 96, 180) }
```

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

```
.background{ background-color: rgb(0, 96,  
180) }
```

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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