

Converting Colors

XYZ(6.0221, 9.0589, 44.6509)

Have a look what the booklet for
XYZ(6.0221, 9.0589, 44.6509)
contains.

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Color

**XYZ(12.8919, 12.6026,
44.9331)**

Conversions

Conversions Part 1

Format	Color
Hex	0065B4
RGB	0, 101, 180
RGB Percent	0%, 40%, 71%
CMY	0.9999, 0.6039, 0.2941
CMYK	1.00, 0.44, 0.00, 0.29
HSL	206°, 100%, 35%
HSV	206°, 100%, 71%
XYZ	12.8919, 12.6026, 44.9331
YIQ	79.8070, -85.5550, 3.1570

Conversions

Conversions Part 2

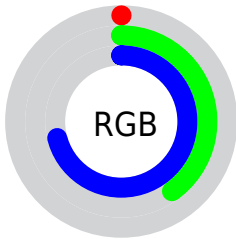
Format	Color
R_{YB}	0, 65, 180
Decimal	26036
CIE Lab	42.16, 6.22, -48.63
CIE LCh	42, 49.024, 277.286
Yxy	12.6026, 0.1831, 0.1789
Android (android.graphics.Color)	4278216116 (0xFF0065B4)
YUV	79.8070, 49.3951, -69.9907
Hunter-Lab	35.5001, 2.6971, -50.1942

Details

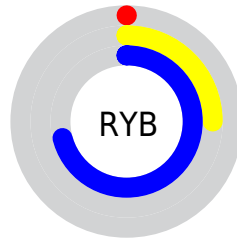
The XYZ color **12.8919, 12.6026, 44.9331** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **21.6214, 15.3008, 1.8149**, and the grayscale version is **7.5089, 7.9000, 8.6031**.

A 20% lighter version of the original color is **30.6206, 30.4647, 83.6233**, and **5.1321, 4.2387, 20.2863** is the 20% darker color. If you saturate the color by 10%, you get **12.8904, 12.5995, 44.9329**, and if you desaturate by 10%, it is **13.9466, 14.3406, 45.2133**.

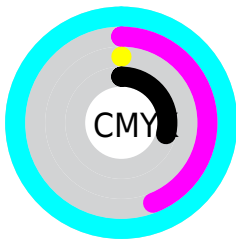
Distribution



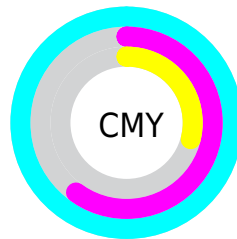
- Red (0%)
- Green (40%)
- Blue (71%)



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



- Cyan (100%)
- Magenta (44%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (60%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8919, 12.6026, 44.9331 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 12.8919, 12.6026, 44.9331 by changing the saturation by 10% instead.

■ 12.8919, 12.6026,
44.9331

■ 12.8919, 12.6026,
44.9331

203.8753,
208.3548, 382.6548

■ 7.4306, 7.1555,
31.0622

■ 30.7124, 30.5880,
83.9374

■ 3.7816, 3.5595,
20.3873

■ 43.8024, 43.8950,
109.9078

■ 1.5793, 1.4304,
12.4900

■ 60.1659, 60.5908,
140.7485

■ 0.3789, 0.2389,
6.9518

■ 80.1685, 81.0597,
176.8780

■ 0.0000, 0.0000,
3.3540

■ 104.1753,
105.6862, 218.7149

■ 0.0000, 0.0000,
1.2781

■ 132.5518,

■ 0.0000, 0.0000,

134.8546, 266.6776

0.0437

165.6634,
168.9494, 321.1847

■ 0.0000, 0.0000,
0.0000

■ 12.8919, 12.6026,
44.9331

■ 12.8919, 12.6026,
44.9331

■ 12.8904, 12.5995,
44.9329

■ 13.9466, 14.3406,
45.2133

■ 15.3056, 16.3479,
45.5291

■ 17.0580, 18.6733,
45.8856

■ 19.2474, 21.3421,
46.2853

■ 21.9110, 24.3760,
46.7305

■ 25.0816, 27.7946,
47.2233

■ 28.7889, 31.6156,
47.7654

■ 33.0602, 35.8554,
48.3587

■ 37.9207, 40.5296,
49.0047

Harmonies

Analogous

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



9.4645, 12.6026, 41.9193



12.8919, 12.6026, 44.9331



16.7599, 12.6026, 36.7719

Triad

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



12.8919, 12.6026, 44.9331



18.4849, 12.6026, 4.7842



6.5949, 12.6026, 7.3253

Complementary

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



12.8919, 12.6026, 44.9331



21.6214, 15.3008, 1.8149

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.



8.2056, 12.6026, 3.1302



12.8919, 12.6026, 44.9331



14.9021, 12.6026, 2.2707

Square

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



12.8919, 12.6026, 44.9331



20.3890, 12.6026, 11.3247



11.1091, 12.6026, 1.8747



6.2723, 12.6026, 16.4360

Rectangle

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



12.8919, 12.6026, 44.9331



18.9175, 12.6026, 27.7268



11.1091, 12.6026, 1.8747



6.9851, 12.6026, 5.4657

Sweetspot

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



12.8925, 12.6030, 44.9334



51.8157, 56.9364, 86.5535



17.6978, 33.1934, 12.6859



10.5752, 11.6690, 18.6172



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.



12.8925, 12.6030, 44.9334



23.1368, 22.3734, 81.3937



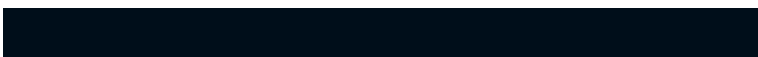
8.3706, 3.5593, 43.4262



8.4242, 8.9945, 10.7984



9.0645, 8.9293, 31.3828



0.3421, 0.3947, 1.0064

Inverse Universe

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



21.1719, 10.6438, 13.2506



38.2676, 19.2496, 23.3906



32.8259, 37.7098, 5.5497



8.6893, 8.5824, 9.8623



14.8100, 7.4416, 9.4253



0.4947, 0.2456, 0.4478

Previews

White Background



This preview shows how the XYZ color 12.8919, 12.6026, 44.9331 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 12.8919, 12.6026, 44.9331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

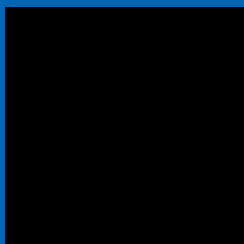
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.8919, 12.6026, 44.9331

Background



This preview shows how black text looks on a background with the XYZ color 12.8919, 12.6026, 44.9331.



This preview shows how white text looks on a background with the XYZ color 12.8919, 12.6026,

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

12.8919, 12.6026, 44.9331

Protanopia

14.1611, 12.7407, 42.7871

Deuteranopia

12.7904, 12.5620, 44.3984



Tritanopia

8.8459, 12.4599, 19.0783

Trichromacy



Original Color

12.8919, 12.6026, 44.9331

Protanomaly

13.1786, 12.3608, 43.2863

Deuteranomaly

12.7904, 12.5620, 44.3984

Tritanomaly

10.0654, 12.4385, 27.0697

Monochromacy



Original Color

12.8919, 12.6026, 44.9331

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

8.0073, 8.9442, 17.8274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8919, 12.6026, 44.9331 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(0, 101, 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, 101, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 101, 180) }
```

Border

The CSS property to change the border of an element to XYZ 12.8919, 12.6026, 44.9331 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, 180) }
```


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

```
.border{ border-color:rgb(0, 101, 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, 101, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 101, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 101, 180);  
box-shadow:4px 4px 4px 4px rgb(0, 101,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8919, 12.6026, 44.9331 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, 180) }
```

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

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