

Converting Colors

XYZ(7.1955, 10.8814, 47.1702)

Have a look what the booklet for
XYZ(7.1955, 10.8814, 47.1702)
contains.

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Color

**XYZ(14.1204, 14.3980,
47.3823)**

Conversions

Conversions Part 1

Format	Color
Hex	006DB8
RGB	0, 109, 184
RGB Percent	0%, 43%, 72%
CMY	0.9999, 0.5725, 0.2784
CMYK	1.00, 0.41, 0.00, 0.28
HSL	204°, 100%, 36%
HSV	204°, 100%, 72%
XYZ	14.1204, 14.3980, 47.3823
YIQ	84.9590, -89.0390, 0.2170

Conversions

Conversions Part 2

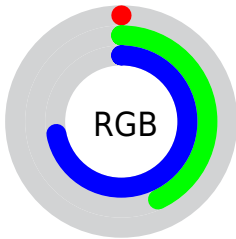
Format	Color
RYB	0, 68, 184
Decimal	28088
CIELab	44.80, 2.75, -46.73
CIELCh	45, 46.815, 273.369
Yxy	14.3980, 0.1860, 0.1897
Android (android.graphics.Color)	4278218168 (0xFF006DB8)
YUV	84.9590, 48.8272, -74.5090
Hunter-Lab	37.9447, 0.0222, -47.4753

Details

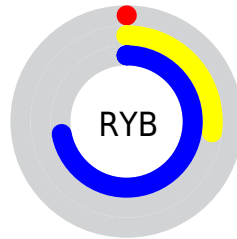
The XYZ color **14.1204, 14.3980, 47.3823** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **22.2862, 15.2278, 1.7657**, and the grayscale version is **8.5431, 8.9880, 9.7880**.

A 20% lighter version of the original color is **32.9622, 33.8196, 88.0096**, and **5.7519, 5.0570, 21.7920** is the 20% darker color. If you saturate the color by 10%, you get **14.1189, 14.3949, 47.3821**, and if you desaturate by 10%, it is **15.2130, 16.2005, 47.6730**.

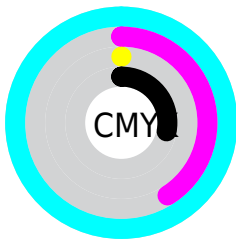
Distribution



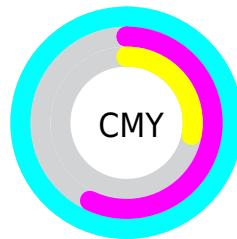
- Red (0%)
- Green (43%)
- Blue (72%)



- Red (0%)
- Yellow (27%)
- Blue (72%)



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (57%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.1204, 14.3980, 47.3823 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 14.1204, 14.3980, 47.3823 by changing the saturation by 10% instead.

■ 14.1204, 14.3980,
47.3823

■ 14.1204, 14.3980,
47.3823

211.4742,
219.6929, 392.7763

■ 8.2867, 8.3980,
32.9815

■ 32.8870, 33.7936,
87.6399

■ 4.3323, 4.3507,
21.8413

■ 46.5506, 47.9579,
114.3338

■ 1.8918, 1.8716,
13.5431

■ 63.5549, 65.6125,
145.9625

■ 0.5721, 0.5312,
7.6685

■ 84.2653, 87.1418,
182.9445

■ 0.0000, 0.0000,
3.7988

■ 109.0470,
112.9300, 225.6983

■ 0.0000, 0.0000,
1.5156

■ 138.2655,

■ 0.0000, 0.0000,

143.3617, 274.6425

0.2295

172.2861,
178.8212, 330.1957

■ 0.0000, 0.0000,
0.0000

■ 14.1204, 14.3980,
47.3823

■ 14.1204, 14.3980,
47.3823

■ 14.1189, 14.3949,
47.3821

■ 15.2130, 16.2005,
47.6730

■ 16.6171, 18.2673,
47.9979

■ 18.4248, 20.6484,
48.3622

■ 20.6817, 23.3695,
48.7685

■ 23.4267, 26.4529,
49.2190

■ 26.6941, 29.9184,
49.7157

■ 30.5150, 33.7841,
50.2604

■ 34.9176, 38.0666,
50.8550

■ 39.9284, 42.7815,
51.5010

Harmonies

Analogous

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



10.6536, 14.3980, 42.9462



14.1204, 14.3980, 47.3823



18.1282, 14.3980, 40.5746

Triad

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



14.1204, 14.3980, 47.3823



20.7691, 14.3980, 6.7296



8.1201, 14.3980, 8.0210

Complementary

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



14.1204, 14.3980, 47.3823



22.2862, 15.2278, 1.7657

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.



10.0343, 14.3980, 3.8646



14.1204, 14.3980, 47.3823



17.2426, 14.3980, 3.3994

Square

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



14.1204, 14.3980, 47.3823



22.3895, 14.3980, 14.4748



13.2584, 14.3980, 2.6680



7.5915, 14.3980, 16.9440

Rectangle

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



14.1204, 14.3980, 47.3823



20.4545, 14.3980, 31.8455



13.2584, 14.3980, 2.6680



8.6027, 14.3980, 6.1875

Sweetspot

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



14.1210, 14.3984, 47.3827



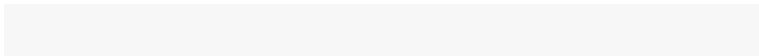
54.9287, 60.8578, 91.0563



18.3645, 34.7708, 12.1557



11.1947, 12.4718, 19.5389



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



14.1210, 14.3984, 47.3827



25.3532, 25.6125, 85.8121



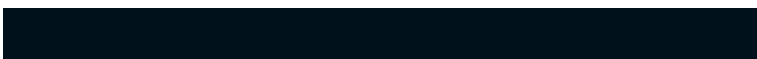
8.8757, 3.9078, 45.6342



8.9513, 9.5799, 11.4567



9.8015, 10.0626, 32.6788



0.4047, 0.4731, 1.1717

Inverse Universe

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



22.5281, 11.2954, 15.4611



40.7141, 20.4251, 27.3786



33.3319, 37.3193, 5.4477



9.2218, 9.0991, 10.5152



15.5610, 7.7982, 10.8410



0.5784, 0.2869, 0.5395

Previews

White Background



This preview shows how the XYZ color 14.1204, 14.3980, 47.3823 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 14.1204, 14.3980, 47.3823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

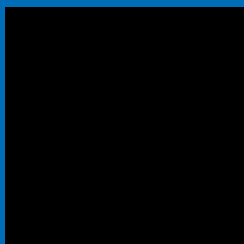
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.1204, 14.3980, 47.3823

Background



This preview shows how black text looks on a background with the XYZ color 14.1204, 14.3980, 47.3823.



This preview shows how white text looks on a background with the XYZ color 14.1204, 14.3980,

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

14.1204, 14.3980, 47.3823

Protanopia

15.7102, 14.3707, 44.0653

Deuteranopia

14.8239, 14.4475, 47.3547



Tritanopia

10.2443, 14.4632, 21.9904

Trichromacy



Original Color

14.1204, 14.3980, 47.3823

Protanomaly

14.4621, 14.0028, 45.1206

Deuteranomaly

14.4403, 14.4054, 47.3668

Tritanomaly

11.3972, 14.3681, 29.7764

Monochromacy



Original Color

14.1204, 14.3980, 47.3823

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

8.9752, 10.1702, 19.5792

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.1204, 14.3980, 47.3823 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, 109, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 109, 184)  
}
```

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, 109, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 184) }
```

Border

The CSS property to change the border of an element to XYZ 14.1204, 14.3980, 47.3823 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, 109, 184) }
```


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

```
.border{ border-color:rgb(0, 109, 184) }
```

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

Here you see how a box with a 4 pixel rgb(0, 109, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 109, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 109, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 109,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 14.1204, 14.3980, 47.3823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 109, 184) }
```

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

```
.background{ background-color: rgb(0, 109,  
184) }
```

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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