

Converting Colors

XYZ(11.1999, 12.4520, 48.6441)

Have a look what the booklet for
XYZ(11.1999, 12.4520, 48.6441)
contains.

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Color

**XYZ(14.1237, 13.8959,
48.9515)**

Conversions

Conversions Part 1

Format	Color
Hex	006ABB
RGB	0, 106, 187
RGB Percent	0%, 42%, 73%
CMY	0.9998, 0.5843, 0.2667
CMYK	1.00, 0.43, 0.00, 0.27
HSL	206°, 100%, 37%
HSV	206°, 100%, 73%
XYZ	14.1237, 13.8959, 48.9515
YIQ	83.5400, -89.1770, 2.7190

Conversions

Conversions Part 2

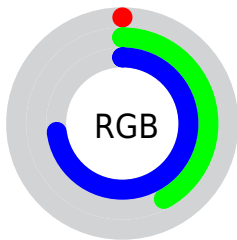
Format	Color
RYB	0, 68, 187
Decimal	27323
CIELab	44.08, 5.85, -49.62
CIELCh	44, 49.966, 276.728
Yxy	13.8959, 0.1835, 0.1805
Android (android.graphics.Color)	4278217403 (0xFF006ABB)
YUV	83.5400, 51.0058, -73.2646
Hunter-Lab	37.2772, 2.3955, -51.7641

Details

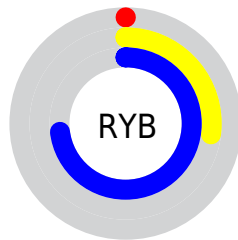
The XYZ color **14.1237, 13.8959, 48.9515** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **23.4394, 16.4561, 1.9421**, and the grayscale version is **8.2469, 8.6764, 9.4485**.

A 20% lighter version of the original color is **33.0022, 33.0253, 90.2231**, and **5.8495, 4.9252, 22.8327** is the 20% darker color. If you saturate the color by 10%, you get **14.1219, 13.8923, 48.9512**, and if you desaturate by 10%, it is **15.2621, 15.7815, 49.2558**.

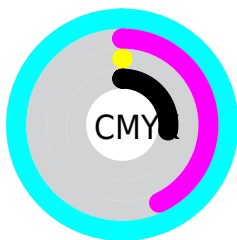
Distribution



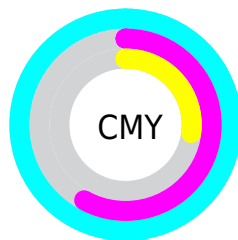
- Red (0%)
- Green (42%)
- Blue (73%)



- Red (0%)
- Yellow (27%)
- Blue (73%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (58%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.1237, 13.8959, 48.9515 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 14.1237, 13.8959, 48.9515 by changing the saturation by 10% instead.

■ 14.1237, 13.8959,
48.9515

■ 14.1237, 13.8959,
48.9515

211.4943,
216.5823, 399.1683

■ 8.2890, 8.0483,
34.2157

■ 32.8928, 32.9042,
89.9997

■ 4.3338, 4.1259,
22.7806

■ 46.5579, 46.8337,
117.1491

■ 1.8927, 1.7442,
14.2278

■ 63.5639, 64.2259,
149.2734

■ 0.5726, 0.4520,
8.1387

■ 84.2761, 85.4653,
186.7913

■ 0.0000, 0.0000,
4.0948

■ 109.0599,
110.9363, 230.1212

■ 0.0000, 0.0000,
1.6775

■ 138.2806,

■ 0.0000, 0.0000,

141.0231, 279.6816

0.3452

172.3036,
176.1103, 335.8911

■ 0.0000, 0.0000,
0.0000

■ 14.1237, 13.8959,
48.9515

■ 14.1237, 13.8959,
48.9515

■ 14.1219, 13.8923,
48.9512

■ 15.2621, 15.7815,
49.2558

■ 16.7332, 17.9587,
49.5985

■ 18.6319, 20.4795,
49.9850

■ 21.0061, 23.3715,
50.4181

■ 23.8966, 26.6586,
50.9002

■ 27.3394, 30.3621,
51.4336

■ 31.3671, 34.5012,
52.0202

■ 36.0096, 39.0940,
52.6620

■ 41.2946, 44.1572,
53.3608

Harmonies

Analogous

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



10.4117, 13.8959, 45.4708



14.1237, 13.8959, 48.9515



18.3271, 13.8959, 40.3354

Triad

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



14.1237, 13.8959, 48.9515



20.3310, 13.8959, 5.4509



7.3561, 13.8959, 8.0240

Complementary

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



14.1237, 13.8959, 48.9515



23.4394, 16.4561, 1.9421

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.



9.1432, 13.8959, 3.4923



14.1237, 13.8959, 48.9515



16.4641, 13.8959, 2.6133

Square

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



14.1237, 13.8959, 48.9515



22.3472, 13.8959, 12.7074



12.3321, 13.8959, 2.1395



6.9774, 13.8959, 17.8431

Rectangle

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



14.1237, 13.8959, 48.9515



20.6856, 13.8959, 30.6001



12.3321, 13.8959, 2.1395



7.7917, 13.8959, 6.0171

Sweetspot

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



14.1243, 13.8963, 48.9519



55.7860, 61.3957, 93.1117



19.1440, 36.0904, 13.1538



11.5882, 12.8111, 20.4046



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



14.1243, 13.8963, 48.9519



25.0522, 24.4011, 87.5909



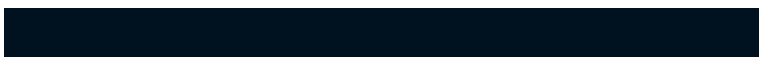
9.1500, 3.9476, 47.2938



9.4531, 10.0984, 12.1232



9.8029, 9.7176, 33.7519



0.4479, 0.5084, 1.3434

Inverse Universe

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



23.0957, 11.6064, 14.6588



41.2404, 20.7361, 25.6068



35.1364, 39.8500, 5.8411



9.7505, 9.6245, 11.0753



15.9488, 8.0107, 10.2901



0.6570, 0.3267, 0.5729

Previews

White Background



This preview shows how the XYZ color 14.1237, 13.8959, 48.9515 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 14.1237, 13.8959, 48.9515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

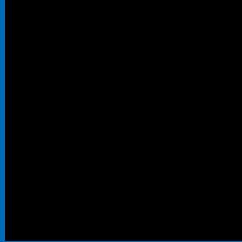
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.1237, 13.8959, 48.9515

Background



This preview shows how black text looks on a background with the XYZ color 14.1237, 13.8959, 48.9515.



This preview shows how white text looks on a background with the XYZ color 14.1237, 13.8959,

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

14.1237, 13.8959, 48.9515

Protanopia

15.4119, 13.8781, 46.1224

Deuteranopia

14.3207, 13.9975, 48.9607



Tritanopia

9.8205, 13.9208, 20.9083

Trichromacy



Original Color

14.1237, 13.8959, 48.9515

Protanomaly

14.4982, 13.6748, 47.2228

Deuteranomaly

14.2488, 13.9605, 48.9574

Tritanomaly

10.9825, 13.6637, 29.2526

Monochromacy



Original Color

14.1237, 13.8959, 48.9515

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

8.7465, 9.7917, 19.5181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.1237, 13.8959, 48.9515 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, 106, 187)` looks like.

```
.text, #text, p{  
    color:rgb(0, 106, 187)  
}
```

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, 106, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 106, 187) }
```

Border

The CSS property to change the border of an element to XYZ 14.1237, 13.8959, 48.9515 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, 106, 187) }
```


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

```
.border{ border-color:rgb(0, 106, 187) }
```

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

Here you see how a box with a 4 pixel rgb(0, 106, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 106, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 106, 187);  
box-shadow:4px 4px 4px 4px rgb(0, 106,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 14.1237, 13.8959, 48.9515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 106, 187) }
```

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

```
.background{ background-color: rgb(0, 106,  
187) }
```

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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