

Converting Colors

XYZ(10.3124, 13.6935, 45.1716)

Have a look what the booklet for
XYZ(10.3124, 13.6935, 45.1716)
contains.

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Color

**XYZ(14.4836, 15.7861,
45.4637)**

Conversions

Conversions Part 1

Format	Color
Hex	0074B4
RGB	0, 116, 180
RGB Percent	0%, 45%, 71%
CMY	0.9999, 0.5451, 0.2941
CMYK	1.00, 0.36, 0.00, 0.29
HSL	201°, 100%, 35%
HSV	201°, 100%, 71%
XYZ	14.4836, 15.7861, 45.4637
YIQ	88.6120, -89.6800, -4.6880

Conversions

Conversions Part 2

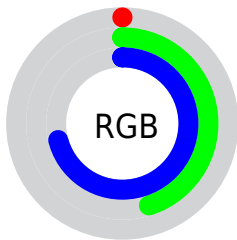
Format	Color
RYB	0, 71, 180
Decimal	29876
CIELab	46.69, -3.16, -41.39
CIELCh	47, 41.515, 265.631
Yxy	15.7861, 0.1912, 0.2084
Android (android.graphics.Color)	4278219956 (0xFF0074B4)
YUV	88.6120, 45.0543, -77.7127
Hunter-Lab	39.7317, -4.4610, -40.0314

Details

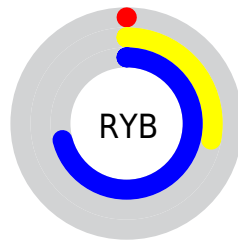
The XYZ color **14.4836, 15.7861, 45.4637** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **20.6579, 13.3738, 1.4935**, and the grayscale version is **9.3304, 9.8163, 10.6899**.

A 20% lighter version of the original color is **33.5566, 36.3367, 84.6019**, and **5.8979, 5.6666, 20.8616** is the 20% darker color. If you saturate the color by 10%, you get **14.4825, 15.7838, 45.4637**, and if you desaturate by 10%, it is **15.4974, 17.4423, 45.7303**.

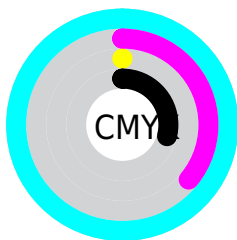
Distribution



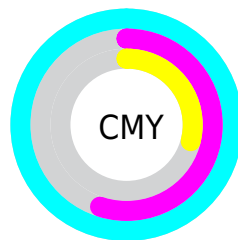
- Red (0%)
- Green (45%)
- Blue (71%)



- Red (0%)
- Yellow (28%)
- Blue (71%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (55%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4836, 15.7861, 45.4637 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 14.4836, 15.7861, 45.4637 by changing the saturation by 10% instead.

■ 14.4836, 15.7861,
45.4637

■ 14.4836, 15.7861,
45.4637

■ 213.6699,
228.0762, 384.8631

■ 8.5417, 9.3729,
31.4772

■ 33.5238, 36.2265,
84.7416

■ 4.4982, 4.9852,
20.7010

■ 47.3529, 51.0224,
110.8701

■ 1.9877, 2.2386,
12.7165

■ 64.5417, 69.3815,
141.8831

■ 0.6270, 0.7409,
7.1052

■ 85.4557, 91.6879,
178.1990

■ 0.0000, 0.0000,
3.4485

■ 110.4601,
118.3263, 220.2364

■ 0.0000, 0.0000,
1.3280

■ 139.9204,

■ 0.0000, 0.0000,

149.6808, 268.4139

0.0845

174.2018,
186.1360, 323.1499

■ 0.0000, 0.0000,
0.0000

■ 14.4836, 15.7861,
45.4637

■ 14.4836, 15.7861,
45.4637

■ 14.4825, 15.7838,
45.4637

■ 15.4974, 17.4423,
45.7303

■ 16.7913, 19.3197,
46.0245

■ 18.4539, 21.4655,
46.3510

■ 20.5276, 23.9031,
46.7122

■ 23.0488, 26.6525,
47.1100

■ 26.0495, 29.7315,
47.5462

■ 29.5587, 33.1563,
48.0223

■ 33.6027, 36.9419,
48.5398

■ 38.2061, 41.1021,
49.1002

Harmonies

Analogous

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



11.4292, 15.7861, 39.2661



14.4836, 15.7861, 45.4637



18.1989, 15.7861, 41.9414

Triad

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



14.4836, 15.7861, 45.4637



22.1425, 15.7861, 9.9657



9.9894, 15.7861, 8.2570

Complementary

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



14.4836, 15.7861, 45.4637



20.6579, 13.3738, 1.4935

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.



12.2072, 15.7861, 4.8018



14.4836, 15.7861, 45.4637



19.2564, 15.7861, 5.4758

Square

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



14.4836, 15.7861, 45.4637



23.0096, 15.7861, 18.7415



15.5372, 15.7861, 4.0381



9.1113, 15.7861, 15.7235

Rectangle

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



14.4836, 15.7861, 45.4637



20.5105, 15.7861, 35.0899



15.5372, 15.7861, 4.0381



10.5838, 15.7861, 6.7258

Sweetspot

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



14.4842, 15.7866, 45.4641



53.2340, 59.7731, 87.0262



17.2196, 33.0021, 10.1682



10.9151, 12.3487, 18.7305



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.



14.4842, 15.7866, 45.4641



26.0321, 28.1640, 82.3588



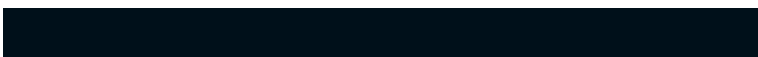
8.6312, 4.0806, 43.5131



8.4833, 9.1129, 10.8182



10.1730, 11.1463, 31.7523



0.3727, 0.4559, 1.0166

Inverse Universe

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



21.9754, 10.9651, 17.4816



39.7290, 19.8341, 31.0863



30.2148, 32.4877, 4.6792



8.7192, 8.5944, 10.0195



15.3695, 7.6654, 12.3717



0.5101, 0.2518, 0.5290

Previews

White Background



This preview shows how the XYZ color 14.4836, 15.7861, 45.4637 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 14.4836, 15.7861, 45.4637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

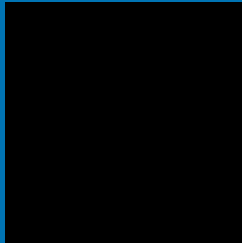
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.4836, 15.7861, 45.4637

Background



This preview shows how black text looks on a background with the XYZ color 14.4836, 15.7861, 45.4637.



This preview shows how white text looks on a background with the XYZ color 14.4836, 15.7861,

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

14.4836, 15.7861, 45.4637

Protanopia

16.7431, 15.7207, 41.6871

Deuteranopia

16.2717, 15.8633, 45.9204



Tritanopia

11.2478, 15.8319, 24.2928

Trichromacy



Original Color

14.4836, 15.7861, 45.4637

Protanomaly

15.0965, 15.3157, 43.2349

Deuteranomaly

15.2005, 15.6387, 45.9335

Tritanomaly

12.1413, 15.6029, 30.8055

Monochromacy



Original Color

14.4836, 15.7861, 45.4637

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

9.6620, 11.1987, 20.0647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4836, 15.7861, 45.4637 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, 116, 180)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 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, 116, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 180) }
```

Border

The CSS property to change the border of an element to XYZ 14.4836, 15.7861, 45.4637 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, 116, 180) }
```


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

```
.border{ border-color:rgb(0, 116, 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, 116, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 180);  
box-shadow:4px 4px 4px 4px rgb(0, 116,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4836, 15.7861, 45.4637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 180) }
```

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

```
.background{ background-color: rgb(0, 116,  
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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