

Converting Colors

XYZ(11.7045, 13.8009, 43.4673)

Have a look what the booklet for
XYZ(11.7045, 13.8009, 43.4673)
contains.

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Color

**XYZ(13.7300, 14.7627,
43.7208)**

Conversions

Conversions Part 1

Format	Color
Hex	0070B1
RGB	0, 112, 177
RGB Percent	0%, 44%, 69%
CMY	0.9999, 0.5608, 0.3059
CMYK	1.00, 0.37, 0.00, 0.31
HSL	202°, 100%, 35%
HSV	202°, 100%, 69%
XYZ	13.7300, 14.7627, 43.7208
YIQ	85.9220, -87.6170, -3.5290

Conversions

Conversions Part 2

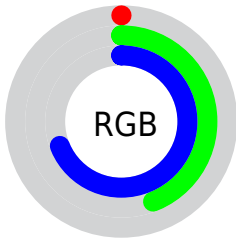
Format	Color
RYB	0, 69, 177
Decimal	28849
CIELab	45.31, -1.91, -41.85
CIELCh	45, 41.891, 267.392
Yxy	14.7627, 0.1901, 0.2044
Android (android.graphics.Color)	4278218929 (0xFF0070B1)
YUV	85.9220, 44.9015, -75.3536
Hunter-Lab	38.4223, -3.4529, -40.5707

Details

The XYZ color **13.7300, 14.7627, 43.7208** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **20.0240, 13.1317, 1.4803**, and the grayscale version is **8.7523, 9.2081, 10.0277**.

A 20% lighter version of the original color is **32.1196, 34.3017, 82.0188**, and **5.5284, 5.2358, 19.7880** is the 20% darker color. If you saturate the color by 10%, you get **13.7288, 14.7602, 43.7207**, and if you desaturate by 10%, it is **14.7181, 16.3759, 43.9804**.

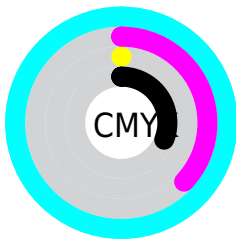
Distribution



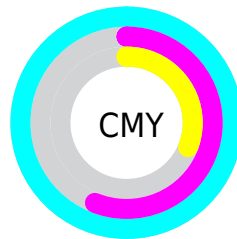
- Red (0%)
- Green (44%)
- Blue (69%)



- Red (0%)
- Yellow (27%)
- Blue (69%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (56%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7300, 14.7627, 43.7208 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 13.7300, 14.7627, 43.7208 by changing the saturation by 10% instead.

■ 13.7300, 14.7627,
43.7208

■ 13.7300, 14.7627,
43.7208

209.0890,
221.9254, 377.5757

■ 8.0136, 8.6530,
30.1155

■ 32.1995, 34.4363,
82.0954

■ 4.1555, 4.5156,
19.6735

■ 45.6832, 48.7691,
107.7019

■ 1.7905, 1.9659,
11.9762

■ 62.4867, 66.6116,
138.1457

■ 0.5119, 0.5876,
6.6051

■ 82.9754, 88.3484,
173.8456

■ 0.0000, 0.0000,
3.1417

■ 107.5147,
114.3638, 215.2199

■ 0.0000, 0.0000,
1.1674

■ 136.4698,

■ 0.0000, 0.0000,

145.0421, 262.6874

0.0000

170.2061,
180.7679, 316.6665

■ 13.7300, 14.7627,
43.7208

■ 13.7300, 14.7627,
43.7208

■ 13.7288, 14.7602,
43.7207

■ 14.7181, 16.3759,
43.9804

■ 15.9779, 18.2074,
44.2676

■ 17.5954, 20.3034,
44.5869

■ 19.6116, 22.6863,
44.9406

■ 22.0614, 25.3757,
45.3305

■ 24.9755, 28.3888,
45.7585

■ 28.3819, 31.7412,
46.2261

■ 32.3059, 35.4476,
46.7347

■ 36.7712, 39.5212,
47.2856

Harmonies

Analogous

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



10.7339, 14.7627, 38.1450



13.7300, 14.7627, 43.7208



17.3309, 14.7627, 39.7134

Triad

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



13.7300, 14.7627, 43.7208



20.8294, 14.7627, 8.7874



9.1276, 14.7627, 7.8182

Complementary

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



13.7300, 14.7627, 43.7208



20.0240, 13.1317, 1.4803

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.



11.1799, 14.7627, 4.3762



13.7300, 14.7627, 43.7208



17.9435, 14.7627, 4.7518

Square

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



13.7300, 14.7627, 43.7208



21.8089, 14.7627, 16.9596



14.3374, 14.7627, 3.5437



8.3653, 14.7627, 15.2199

Rectangle

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



13.7300, 14.7627, 43.7208



19.5381, 14.7627, 32.7935



14.3374, 14.7627, 3.5437



9.6709, 14.7627, 6.2970

Sweetspot

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



13.7306, 14.7632, 43.7212



50.4835, 56.5122, 82.7425



16.6745, 31.8255, 10.2532



10.3780, 11.6992, 17.8555



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



13.7306, 14.7632, 43.7212



24.3696, 25.9987, 78.2291



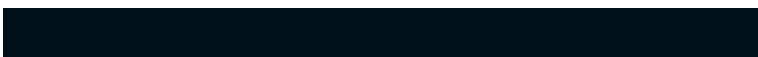
8.2553, 3.8127, 41.8961



8.4750, 9.0962, 10.8154



10.0063, 10.8130, 31.6967



0.3682, 0.4469, 1.0151

Inverse Universe

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



21.0567, 10.5178, 16.2499



37.5996, 18.7911, 28.5164



29.5894, 32.2625, 4.6687



8.7150, 8.5927, 9.9974



15.2854, 7.6317, 11.9287



0.5079, 0.2509, 0.5171

Previews

White Background



This preview shows how the XYZ color 13.7300, 14.7627, 43.7208 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 13.7300, 14.7627, 43.7208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

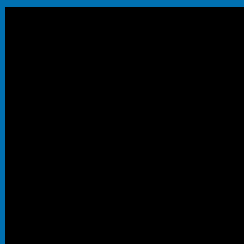
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7300, 14.7627, 43.7208

Background



This preview shows how black text looks on a background with the XYZ color 13.7300, 14.7627, 43.7208.



This preview shows how white text looks on a background with the XYZ color 13.7300, 14.7627,

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

13.7300, 14.7627, 43.7208

Protanopia

15.7869, 14.7993, 40.0547

Deuteranopia

15.2619, 14.9001, 44.1911



Tritanopia

10.4276, 14.7260, 22.3715

Trichromacy



Original Color

13.7300, 14.7627, 43.7208

Protanomaly

14.3216, 14.4723, 41.5738

Deuteranomaly

14.3038, 14.5637, 44.1767

Tritanomaly

11.3562, 14.5351, 28.9951

Monochromacy



Original Color

13.7300, 14.7627, 43.7208

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

8.9975, 10.3286, 18.9722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7300, 14.7627, 43.7208 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, 112, 177)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 177)  
}
```

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, 112, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 177) }
```

Border

The CSS property to change the border of an element to XYZ 13.7300, 14.7627, 43.7208 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, 112, 177) }
```


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

```
.border{ border-color:rgb(0, 112, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 112, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 177);  
box-shadow:4px 4px 4px 4px rgb(0, 112,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7300, 14.7627, 43.7208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 177) }
```

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

```
.background{ background-color: rgb(0, 112,  
177) }
```

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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