

Converting Colors

XYZ(12.1175, 13.4932, 43.1945)

Have a look what the booklet for
XYZ(12.1175, 13.4932, 43.1945)
contains.

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Color

**XYZ(13.3051, 14.0719,
43.0892)**

Conversions

Conversions Part 1

Format	Color
Hex	006DB0
RGB	0, 109, 176
RGB Percent	0%, 43%, 69%
CMY	0.9999, 0.5725, 0.3098
CMYK	1.00, 0.38, 0.00, 0.31
HSL	203°, 100%, 35%
HSV	203°, 100%, 69%
XYZ	13.3051, 14.0719, 43.0892
YIQ	84.0470, -86.4710, -2.2710

Conversions

Conversions Part 2

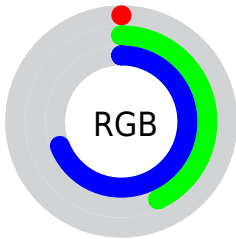
Format	Color
R _Y B	0, 67, 176
Decimal	28080
CIE Lab	44.34, -0.45, -42.81
CIE LCh	44, 42.811, 269.393
Yxy	14.0719, 0.1888, 0.1997
Android (android.graphics.Color)	4278218160 (0xFF006DB0)
YUV	84.0470, 45.3328, -73.7092
Hunter-Lab	37.5125, -2.3358, -41.8454

Details

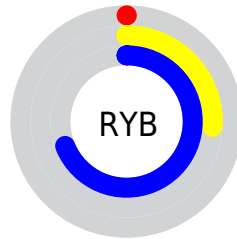
The XYZ color **13.3051, 14.0719, 43.0892** is a dark color, and the websafe version is hex **006699**, and the color name is **honolulu blue**. A complement of this color would be **19.9137, 13.2480, 1.5084**, and the grayscale version is **8.3608, 8.7962, 9.5791**.

A 20% lighter version of the original color is **31.4507, 33.1920, 81.0930**, and **5.2978, 4.8753, 19.4007** is the 20% darker color. If you saturate the color by 10%, you get **13.3041, 14.0697, 43.0891**, and if you desaturate by 10%, it is **14.2902, 15.6819, 43.3484**.

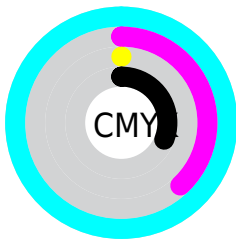
Distribution



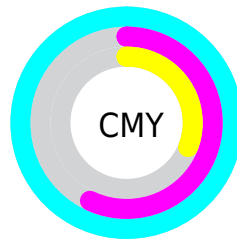
- Red (0%)
- Green (43%)
- Blue (69%)



- Red (0%)
- Yellow (26%)
- Blue (69%)



- Cyan (100%)
- Magenta (38%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (57%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3051, 14.0719, 43.0892 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 13.3051, 14.0719, 43.0892 by changing the saturation by 10% instead.

■ 13.3051, 14.0719,
43.0892

■ 13.3051, 14.0719,
43.0892

206.4622,
217.6777, 374.9105

■ 7.7174, 8.1707,
29.6232

■ 31.4475, 33.2165,
81.1332

■ 3.9649, 4.2044,
19.3031

■ 44.7329, 47.2288,
106.5484

■ 1.6823, 1.7885,
11.7105

■ 61.3150, 64.7135,
136.7836

■ 0.4452, 0.4800,
6.4267

■ 81.5590, 86.0550,
172.2575

■ 0.0000, 0.0000,
3.0333

■ 105.8304,
111.6378, 213.3886

■ 0.0000, 0.0000,
1.1117

■ 134.4945,

■ 0.0000, 0.0000,

141.8463, 260.5954

0.0000

167.9166,
177.0647, 314.2965

■ 13.3051, 14.0719,
43.0892

■ 13.3051, 14.0719,
43.0892

■ 13.3041, 14.0697,
43.0891

■ 14.2902, 15.6819,
43.3484

■ 15.5467, 17.5143,
43.6358

■ 17.1598, 19.6149,
43.9563

■ 19.1703, 22.0063,
44.3119

■ 21.6124, 24.7079,
44.7046

■ 24.5169, 27.7368,
45.1362

■ 27.9111, 31.1089,
45.6082

■ 31.8202, 34.8385,
46.1220

■ 36.2678, 38.9392,
46.6791

Harmonies

Analogous

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



10.2860, 14.0719, 38.0508



13.3051, 14.0719, 43.0892



16.8857, 14.0719, 38.4193

Triad

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



13.3051, 14.0719, 43.0892



19.9946, 14.0719, 7.7866



8.4574, 14.0719, 7.5678

Complementary

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



13.3051, 14.0719, 43.0892



19.9137, 13.2480, 1.5084

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.



10.3880, 14.0719, 4.0437



13.3051, 14.0719, 43.0892



17.0276, 14.0719, 4.1267

Square

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



13.3051, 14.0719, 43.0892



21.1265, 14.0719, 15.5231



13.4450, 14.0719, 3.1226



7.7977, 14.0719, 15.1225

Rectangle

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



13.3051, 14.0719, 43.0892



19.0423, 14.0719, 31.2263



13.4450, 14.0719, 3.1226



8.9609, 14.0719, 6.0132

Sweetspot

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



13.3057, 14.0723, 43.0896



50.2638, 56.0729, 82.6693



16.4671, 31.4276, 10.1316



10.3251, 11.5935, 17.8379



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.



13.3057, 14.0723, 43.0896



23.9036, 25.0668, 78.0738



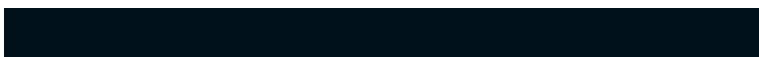
8.1532, 3.7674, 41.3721



8.4654, 9.0771, 10.8122



9.8192, 10.4387, 31.6343



0.3631, 0.4368, 1.0134

Inverse Universe

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



20.6653, 10.3350, 15.3740



37.3644, 18.6970, 27.2779



29.2205, 31.8617, 4.6107



8.7101, 8.5908, 9.9720



15.1909, 7.5939, 11.4313



0.5053, 0.2499, 0.5037

Previews

White Background



This preview shows how the XYZ color 13.3051, 14.0719, 43.0892 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 13.3051, 14.0719, 43.0892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

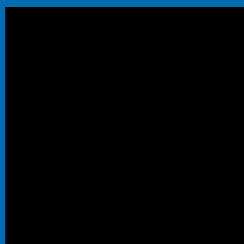
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3051, 14.0719, 43.0892

Background



This preview shows how black text looks on a background with the XYZ color 13.3051, 14.0719, 43.0892.



This preview shows how white text looks on a background with the XYZ color 13.3051, 14.0719,

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

13.3051, 14.0719, 43.0892

Protanopia

15.1490, 14.0247, 39.9388

Deuteranopia

14.5580, 14.2393, 43.5761



Tritanopia

9.9471, 13.9715, 21.5745

Trichromacy



Original Color

13.3051, 14.0719, 43.0892

Protanomaly

13.8134, 13.7598, 40.9576

Deuteranomaly

13.8532, 14.0298, 43.5729

Tritanomaly

10.9392, 13.8239, 28.4773

Monochromacy



Original Color

13.3051, 14.0719, 43.0892

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

8.5934, 9.8699, 18.2818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3051, 14.0719, 43.0892 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 109, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 176) }
```

Border

The CSS property to change the border of an element to XYZ 13.3051, 14.0719, 43.0892 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, 176) }
```


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

```
.border{ border-color:rgb(0, 109, 176) }
```

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, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 109, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 109, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 109,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3051, 14.0719, 43.0892 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, 176) }
```

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

```
.background{ background-color: rgb(0, 109,  
176) }
```

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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