

Converting Colors

XYZ(8.6367, 12.2741, 42.4406)

Have a look what the booklet for
XYZ(8.6367, 12.2741, 42.4406)
contains.

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Color

**XYZ(13.6430, 14.9054,
42.7154)**

Conversions

Conversions Part 1

Format	Color
Hex	0071AF
RGB	0, 113, 175
RGB Percent	0%, 44%, 69%
CMY	0.9999, 0.5569, 0.3137
CMYK	1.00, 0.35, 0.00, 0.31
HSL	201°, 100%, 34%
HSV	201°, 100%, 69%
XYZ	13.6430, 14.9054, 42.7154
YIQ	86.2810, -87.2500, -4.6740

Conversions

Conversions Part 2

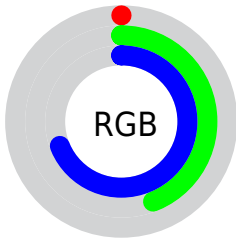
Format	Color
RYB	0, 69, 175
Decimal	29103
CIELab	45.50, -3.31, -40.37
CIELCh	46, 40.504, 265.312
Yxy	14.9054, 0.1914, 0.2092
Android (android.graphics.Color)	4278219183 (0xFF0071AF)
YUV	86.2810, 43.7385, -75.6684
Hunter-Lab	38.6075, -4.4854, -38.5733

Details

The XYZ color **13.6430, 14.9054, 42.7154** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **19.4040, 12.5630, 1.4032**, and the grayscale version is **8.8306, 9.2905, 10.1173**.

A 20% lighter version of the original color is **32.0136, 34.5446, 80.5818**, and **5.4611, 5.3016, 19.1478** is the 20% darker color. If you saturate the color by 10%, you get **13.6418, 14.9030, 42.7153**, and if you desaturate by 10%, it is **14.5997, 16.4611, 42.9656**.

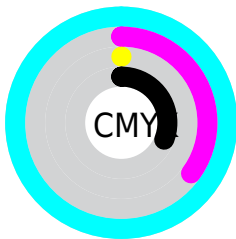
Distribution



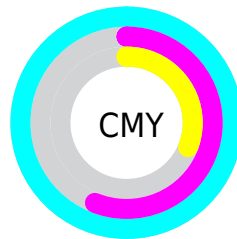
- Red (0%)
- Green (44%)
- Blue (69%)



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



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (31%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6430, 14.9054, 42.7154 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 13.6430, 14.9054, 42.7154 by changing the saturation by 10% instead.

■ 13.6430, 14.9054,
42.7154

■ 13.6430, 14.9054,
42.7154

■ 208.5538,
222.7929, 373.3268

■ 7.9528, 8.7530,
29.3321

■ 32.0458, 34.6871,
80.5630

■ 4.1163, 4.5804,
19.0845

■ 45.4892, 49.0853,
105.8643

■ 1.7682, 2.0033,
11.5539

■ 62.2476, 67.0008,
135.9755

■ 0.4984, 0.6094,
6.3219

■ 82.6865, 88.8181,
171.3149

■ 0.0000, 0.0000,
2.9698

■ 107.1712,
114.9216, 212.3013

■ 0.0000, 0.0000,
1.0793

■ 136.0671,

■ 0.0000, 0.0000,

145.6956, 259.3530

0.0000

169.7395,
181.5246, 312.8887

■ 13.6430, 14.9054,
42.7154

■ 13.6430, 14.9054,
42.7154

■ 13.6418, 14.9030,
42.7153

■ 14.5997, 16.4611,
42.9656

■ 15.8170, 18.2227,
43.2414

■ 17.3795, 20.2349,
43.5475

■ 19.3268, 22.5198,
43.8859

■ 21.6928, 25.0958,
44.2584

■ 24.5072, 27.9796,
44.6667

■ 27.7971, 31.1863,
45.1123

■ 31.5870, 34.7298,
45.5965

■ 35.9000, 38.6230,
46.1206

Harmonies

Analogous

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



10.7836, 14.9054, 36.8265



13.6430, 14.9054, 42.7154



17.1287, 14.9054, 39.5140

Triad

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



13.6430, 14.9054, 42.7154



20.8853, 14.9054, 9.5062



9.4704, 14.9054, 7.7797

Complementary

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



13.6430, 14.9054, 42.7154



19.4040, 12.5630, 1.4032

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.



11.5683, 14.9054, 4.5546



13.6430, 14.9054, 42.7154



18.1933, 14.9054, 5.2377

Square

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



13.6430, 14.9054, 42.7154



21.6744, 14.9054, 17.7974



14.7045, 14.9054, 3.8552



8.6308, 14.9054, 14.7564

Rectangle

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



13.6430, 14.9054, 42.7154



19.3033, 14.9054, 33.1353



14.7045, 14.9054, 3.8552



10.0339, 14.9054, 6.3496

Sweetspot

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



13.6436, 14.9059, 42.7158



49.4439, 55.5292, 80.7491



16.1802, 31.0003, 9.5843



10.4292, 11.8016, 17.8726



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.



13.6436, 14.9059, 42.7158



24.2190, 26.2649, 76.4300



8.1139, 3.8466, 40.8726



7.9939, 8.5872, 10.1889



9.8288, 10.7914, 30.6094



0.3224, 0.3982, 0.8678

Inverse Universe

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



20.6604, 10.3070, 16.5236



36.8924, 18.4146, 29.0208



28.3883, 30.5317, 4.3980



8.2147, 8.0991, 9.4416



14.8248, 7.3924, 11.9885



0.4371, 0.2155, 0.4637

Previews

White Background



This preview shows how the XYZ color 13.6430, 14.9054, 42.7154 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 13.6430, 14.9054, 42.7154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

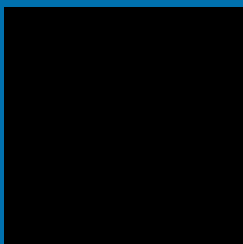
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

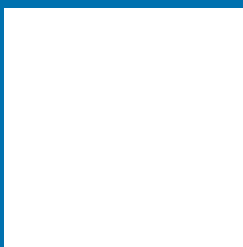
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.6430, 14.9054, 42.7154

Background



This preview shows how black text looks on a background with the XYZ color 13.6430, 14.9054, 42.7154.



This preview shows how white text looks on a background with the XYZ color 13.6430, 14.9054,

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

13.6430, 14.9054, 42.7154

Protanopia

15.7756, 14.8151, 39.0739

Deuteranopia

15.3134, 14.9497, 43.1528



Tritanopia

10.6128, 14.9915, 22.7564

Trichromacy



Original Color

13.6430, 14.9054, 42.7154

Protanomaly

14.1814, 14.4223, 40.5644

Deuteranomaly

14.3269, 14.7579, 43.1677

Tritanomaly

11.4721, 14.7669, 29.0337

Monochromacy



Original Color

13.6430, 14.9054, 42.7154

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.0284, 10.4860, 18.6877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6430, 14.9054, 42.7154 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, 113, 175)` looks like.

```
.text, #text, p{  
    color:rgb(0, 113, 175)  
}
```

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, 113, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 113, 175) }
```

Border

The CSS property to change the border of an element to XYZ 13.6430, 14.9054, 42.7154 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, 113, 175) }
```


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

```
.border{ border-color:rgb(0, 113, 175) }
```

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

Here you see how a box with a 4 pixel rgb(0, 113, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 113, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 113, 175);  
box-shadow:4px 4px 4px 4px rgb(0, 113,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6430, 14.9054, 42.7154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 113, 175) }
```

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

```
.background{ background-color: rgb(0, 113,  
175) }
```

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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