

Converting Colors

XYZ(13.8740, 14.8972, 43.7059)

Have a look what the booklet for
XYZ(13.8740, 14.8972, 43.7059)
contains.

XYZ(13.8426, 14.8207, 43.7261)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.8426, 14.8207,
43.7261)**

Conversions

Conversions Part 1

Format	Color
Hex	0970B1
RGB	9, 112, 177
RGB Percent	4%, 44%, 69%
CMY	0.9646, 0.5608, 0.3059
CMYK	0.95, 0.37, 0.00, 0.31
HSL	203°, 90%, 36%
HSV	203°, 95%, 69%
XYZ	13.8426, 14.8207, 43.7261
YIQ	88.6130, -82.2530, -1.6210

Conversions

Conversions Part 2

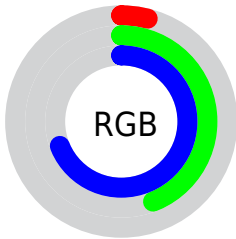
Format	Color
R _Y B	9, 73, 177
Decimal	618673
CIE Lab	45.39, -1.54, -41.72
CIE LCh	45, 41.744, 267.890
Yxy	14.8207, 0.1912, 0.2047
Android (android.graphics.Color)	4278808753 (0xFF0970B1)
YUV	88.6130, 43.5748, -69.8206
Hunter-Lab	38.4977, -3.1877, -40.3939

Details

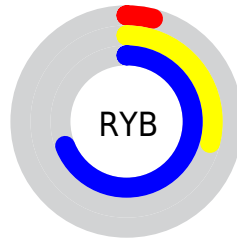
The XYZ color **13.8426, 14.8207, 43.7261** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **20.6319, 14.2687, 1.9260**, and the grayscale version is **9.3325, 9.8185, 10.6924**.

A 20% lighter version of the original color is **32.3194, 34.4047, 82.0282**, and **5.5284, 5.2358, 19.7880** is the 20% darker color. If you saturate the color by 10%, you get **13.3520, 14.0065, 43.5951**, and if you desaturate by 10%, it is **14.9598, 16.5618, 44.0036**.

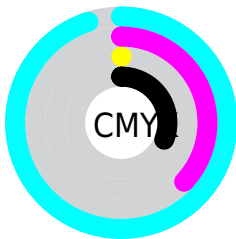
Distribution



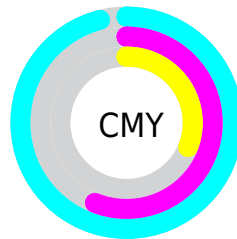
- Red (4%)
- Green (44%)
- Blue (69%)



- Red (4%)
- Yellow (29%)
- Blue (69%)



- Cyan (95%)
- Magenta (37%)
- Yellow (0%)
- Black (31%)



- Cyan (96%)
- Magenta (56%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8426, 14.8207, 43.7261 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 13.8426, 14.8207, 43.7261 by changing the saturation by 10% instead.

■ 13.8426, 14.8207,
43.7261

■ 13.8426, 14.8207,
43.7261

209.7797,
222.2784, 377.5980

■ 8.0922, 8.6936,
30.1196

■ 32.3981, 34.5383,
82.1035

■ 4.2063, 4.5419,
19.6766

■ 45.9339, 48.8977,
107.7115

■ 1.8195, 1.9811,
11.9784

■ 62.7956, 66.7699,
138.1571

■ 0.5294, 0.5964,
6.6066

■ 83.3486, 88.5395,
173.8589

■ 0.0000, 0.0000,
3.1426

■ 107.9581,
114.5907, 215.2353

■ 0.0000, 0.0000,
1.1679

■ 136.9895,

■ 0.0000, 0.0000,

145.3080, 262.7049

0.0000

170.8083,
181.0758, 316.6863

■ 13.8426, 14.8207,
43.7261

■ 13.8426, 14.8207,
43.7261

■ 13.3520, 14.0065,
43.5951

■ 14.9598, 16.5618,
44.0036

■ 16.4157, 18.5645,
44.3134

■ 18.2567, 20.8546,
44.6584

■ 20.5204, 23.4534,
45.0408

■ 23.2396, 26.3794,
45.4622

■ 26.4438, 29.6493,
45.9245

■ 30.1596, 33.2786,
46.4292

■ 34.4116, 37.2814,
46.9777

■ 39.2228, 41.6711,
47.5714

Harmonies

Analogous

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



10.8317, 14.8207, 38.3145



13.8426, 14.8207, 43.7261



17.4411, 14.8207, 39.5792

Triad

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



13.8426, 14.8207, 43.7261



20.8390, 14.8207, 8.7522



9.1605, 14.8207, 7.9671

Complementary

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



13.8426, 14.8207, 43.7261



20.6319, 14.2687, 1.9260

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.



11.1925, 14.8207, 4.4606



13.8426, 14.8207, 43.7261



17.9359, 14.8207, 4.7656

Square

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



13.8426, 14.8207, 43.7261



21.8546, 14.8207, 16.8504



14.3335, 14.8207, 3.5889



8.4194, 14.8207, 15.4444

Rectangle

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



13.8426, 14.8207, 43.7261



19.6340, 14.8207, 32.6250



14.3335, 14.8207, 3.5889



9.6970, 14.8207, 6.4215

Sweetspot

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



13.8432, 14.8212, 43.7265



51.5235, 57.1975, 82.8199



17.0519, 31.9895, 11.6523



10.5635, 11.8055, 17.8663



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.



13.8432, 14.8212, 43.7265



23.6920, 24.6434, 78.0033



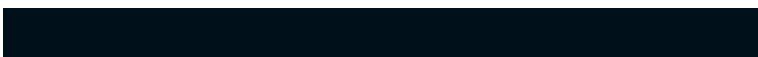
8.4792, 4.0932, 41.9385



8.4610, 9.0682, 10.8107



9.7341, 10.2686, 31.6060



0.3608, 0.4321, 1.0126

Inverse Universe

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



21.1543, 10.7131, 16.2824



37.2575, 18.6542, 26.7153



30.3066, 33.6179, 5.1509



8.7079, 8.5899, 9.9602



15.1480, 7.5767, 11.2051



0.5041, 0.2494, 0.4975

Previews

White Background



This preview shows how the XYZ color 13.8426, 14.8207, 43.7261 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 13.8426, 14.8207, 43.7261 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 13.8426, 14.8207, 43.7261

Background



This preview shows how black text looks on a background with the XYZ color 13.8426, 14.8207, 43.7261.



This preview shows how white text looks on a background with the XYZ color 13.8426, 14.8207,

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

13.8426, 14.8207, 43.7261

Protanopia

15.8819, 14.8373, 40.5549

Deuteranopia

15.2619, 14.9001, 44.1911



Tritanopia

10.4276, 14.7260, 22.3715

Trichromacy



Original Color

13.8426, 14.8207, 43.7261

Protanomaly

14.4809, 14.5545, 41.5812

Deuteranomaly

14.4190, 14.6230, 44.1820

Tritanomaly

11.3938, 14.5545, 28.9968

Monochromacy



Original Color

13.8426, 14.8207, 43.7261

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

9.5894, 10.8905, 19.6858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8426, 14.8207, 43.7261 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(9, 112, 177)` looks like.

```
.text, #text, p{  
    color:rgb(9, 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(9, 112, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 112, 177) }
```

Border

The CSS property to change the border of an element to XYZ 13.8426, 14.8207, 43.7261 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(9, 112, 177) }
```


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

```
.border{ border-color:rgb(9, 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(9, 112, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 112, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 112, 177);  
box-shadow:4px 4px 4px 4px rgb(9, 112,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8426, 14.8207, 43.7261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 112, 177) }
```

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

```
.background{ background-color: rgb(9, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor