

Converting Colors

XYZ(12.9287, 14.3527, 44.2586)

Have a look what the booklet for
XYZ(12.9287, 14.3527, 44.2586)
contains.

XYZ(13.8301, 14.8027, 44.2478)	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(13.8301, 14.8027,
44.2478)**

Conversions

Conversions Part 1

Format	Color
Hex	0070B2
RGB	0, 112, 178
RGB Percent	0%, 44%, 70%
CMY	0.9999, 0.5608, 0.3020
CMYK	1.00, 0.37, 0.00, 0.30
HSL	202°, 100%, 35%
HSV	202°, 100%, 70%
XYZ	13.8301, 14.8027, 44.2478
YIQ	86.0360, -87.9380, -3.2180

Conversions

Conversions Part 2

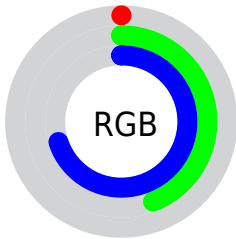
Format	Color
RYB	0, 69, 178
Decimal	28850
CIELab	45.36, -1.51, -42.34
CIELCh	45, 42.370, 267.959
Yxy	14.8027, 0.1898, 0.2031
Android (android.graphics.Color)	4278218930 (0xFF0070B2)
YUV	86.0360, 45.3383, -75.4536
Hunter-Lab	38.4743, -3.1657, -41.2552

Details

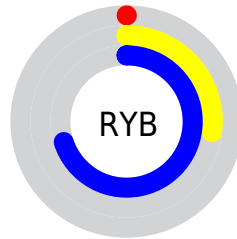
The XYZ color **13.8301, 14.8027, 44.2478** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **20.3109, 13.3660, 1.5105**, and the grayscale version is **8.7758, 9.2328, 10.0546**.

A 20% lighter version of the original color is **32.2629, 34.3590, 82.7734**, and **5.5920, 5.2613, 20.1228** is the 20% darker color. If you saturate the color by 10%, you get **13.8287, 14.7998, 44.2476**, and if you desaturate by 10%, it is **14.8320, 16.4406, 44.5115**.

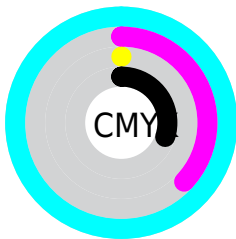
Distribution



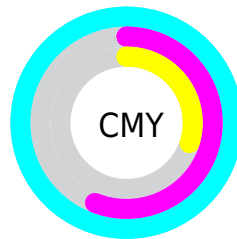
- Red (0%)
- Green (44%)
- Blue (70%)



- Red (0%)
- Yellow (27%)
- Blue (70%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (30%)



- Cyan (100%)
- Magenta (56%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8301, 14.8027, 44.2478 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 13.8301, 14.8027, 44.2478 by changing the saturation by 10% instead.

■ 13.8301, 14.8027,
44.2478

■ 13.8301, 14.8027,
44.2478

209.7031,
222.1689, 379.7894

■ 8.0835, 8.6810,
30.5267

■ 32.3761, 34.5067,
82.8969

■ 4.2007, 4.5337,
19.9833

■ 45.9061, 48.8578,
108.6621

■ 1.8163, 1.9764,
12.1990

■ 62.7614, 66.7208,
139.2790

■ 0.5275, 0.5937,
6.7551

■ 83.3072, 88.4802,
175.1663

■ 0.0000, 0.0000,
3.2333

■ 107.9089,
114.5203, 216.7425

■ 0.0000, 0.0000,
1.2150

■ 136.9319,

■ 0.0000, 0.0000,

145.2255, 264.4260

0.0000

170.7415,
180.9803, 318.6355

■ 13.8301, 14.8027,
44.2478

■ 13.8301, 14.8027,
44.2478

■ 13.8287, 14.7998,
44.2476

■ 14.8320, 16.4406,
44.5115

■ 16.1104, 18.3018,
44.8033

■ 17.7522, 20.4329,
45.1282

■ 19.7989, 22.8568,
45.4881

■ 22.2861, 25.5933,
45.8853

■ 25.2449, 28.6600,
46.3212

■ 28.7036, 32.0729,
46.7977

■ 32.6880, 35.8466,
47.3161

■ 37.2221, 39.9949,
47.8778

Harmonies

Analogous

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



10.7786, 14.8027, 38.7348



13.8301, 14.8027, 44.2478



17.4836, 14.8027, 39.9853

Triad

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



13.8301, 14.8027, 44.2478



20.9266, 14.8027, 8.6368



9.0811, 14.8027, 7.8725

Complementary

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



13.8301, 14.8027, 44.2478



20.3109, 13.3660, 1.5105

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.



11.1316, 14.8027, 4.3505



13.8301, 14.8027, 44.2478



17.9701, 14.8027, 4.6449

Square

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



13.8301, 14.8027, 44.2478



21.9661, 14.8027, 16.8171



14.3117, 14.8027, 3.4775



8.3364, 14.8027, 15.4378

Rectangle

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



13.8301, 14.8027, 44.2478



19.7121, 14.8027, 32.8736



14.3117, 14.8027, 3.4775



9.6218, 14.8027, 6.3170

Sweetspot

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



13.8307, 14.8032, 44.2482



51.6887, 57.8106, 84.8155



16.8836, 32.2264, 10.3758



10.8518, 12.2222, 18.7094



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.



13.8307, 14.8032, 44.2482



24.8501, 26.3841, 80.1641



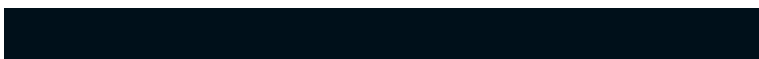
8.3583, 3.8583, 42.4240



8.4725, 9.0911, 10.8145



9.9562, 10.7128, 31.6800



0.3668, 0.4442, 1.0146

Inverse Universe

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



21.2854, 10.6358, 16.2605



38.4826, 19.2392, 28.8758



29.9611, 32.6664, 4.7272



8.7137, 8.5922, 9.9906



15.2601, 7.6216, 11.7955



0.5072, 0.2506, 0.5135

Previews

White Background



This preview shows how the XYZ color 13.8301, 14.8027, 44.2478 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 13.8301, 14.8027, 44.2478 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 13.8301, 14.8027, 44.2478

Background



This preview shows how black text looks on a background with the XYZ color 13.8301, 14.8027, 44.2478.



This preview shows how white text looks on a background with the XYZ color 13.8301, 14.8027,

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

13.8301, 14.8027, 44.2478

Protanopia

15.8913, 14.8310, 41.0548

Deuteranopia

15.2442, 14.8793, 44.7164



Tritanopia

10.4931, 14.7522, 22.7165

Trichromacy



Original Color

13.8301, 14.8027, 44.2478

Protanomaly

14.4187, 14.5112, 42.0854

Deuteranomaly

14.3683, 14.5853, 44.7058

Tritanomaly

11.4337, 14.5661, 29.4030

Monochromacy



Original Color

13.8301, 14.8027, 44.2478

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 13.8301, 14.8027, 44.2478 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 178) }
```

Border

The CSS property to change the border of an element to XYZ 13.8301, 14.8027, 44.2478 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, 178) }
```


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

```
.border{ border-color:rgb(0, 112, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 178);  
box-shadow:4px 4px 4px 4px rgb(0, 112,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8301, 14.8027, 44.2478 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, 178) }
```

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

```
.background{ background-color: rgb(0, 112,  
178) }
```

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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