

Converting Colors

XYZ(12.4072, 14.2399, 28.3845)

Have a look what the booklet for
XYZ(12.4072, 14.2399, 28.3845)
contains.

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Color

**XYZ(12.4634, 14.2820,
28.4854)**

Conversions

Conversions Part 1

Format	Color
Hex	3A6F90
RGB	58, 111, 144
RGB Percent	23%, 44%, 56%
CMY	0.7725, 0.5647, 0.4353
CMYK	0.60, 0.23, 0.00, 0.44
HSL	203°, 43%, 40%
HSV	203°, 60%, 56%
XYZ	12.4634, 14.2820, 28.4854
YIQ	98.9150, -42.1810, -0.9730

Conversions

Conversions Part 2

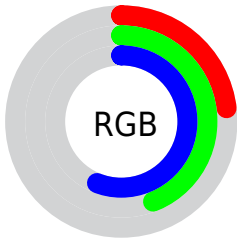
Format	Color
RYB	58, 91, 144
Decimal	3829648
CIELab	44.63, -7.34, -23.37
CIELCh	45, 24.495, 252.575
Yxy	14.2820, 0.2257, 0.2586
Android (android.graphics.Color)	4282019728 (0xFF3A6F90)
YUV	98.9150, 22.2269, -35.8825
Hunter-Lab	37.7915, -7.2671, -18.2358

Details

The XYZ color **12.4634, 14.2820, 28.4854** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **16.0070, 13.7177, 5.8077**, and the grayscale version is **11.7923, 12.4064, 13.5105**.

A 20% lighter version of the original color is **29.9723, 33.7163, 58.3543**, and **3.7533, 4.3453, 10.9968** is the 20% darker color. If you saturate the color by 10%, you get **11.1561, 12.7407, 28.2571**, and if you desaturate by 10%, it is **14.0432, 16.0196, 28.7378**.

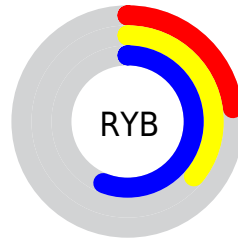
Distribution



Red (23%)

Green (44%)

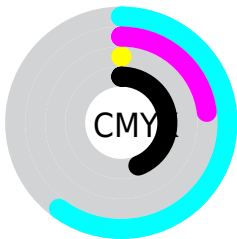
Blue (56%)



Red (23%)

Yellow (36%)

Blue (56%)

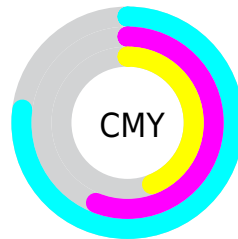


Cyan (60%)

Magenta (23%)

Yellow (0%)

Black (44%)



Cyan (77%)

Magenta (56%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4634, 14.2820, 28.4854 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 12.4634, 14.2820, 28.4854 by changing the saturation by 10% instead.

■ 12.4634, 14.2820,
28.4854

■ 12.4634, 14.2820,
28.4854

201.1573,
218.9782, 308.7637

■ 7.1345, 8.3171,
18.4497

■ 29.9459, 33.5886,
58.2909

■ 3.5935, 4.2985,
11.1005

■ 42.8303, 47.6990,
78.8977

■ 1.4748, 1.8419,
6.0195

■ 58.9639, 65.2933,
103.8653

■ 0.3086, 0.5131,
2.7879

■ 78.7120, 86.7560,
133.6122

■ 0.0000, 0.0000,
0.9874

■ 102.4401,
112.4715, 168.5569

■ 0.0000, 0.0000,
0.0000

130.5134,

142.8241, 209.1181

163.2974,
178.1982, 255.7142

■ 12.4634, 14.2820,
28.4854

■ 12.4634, 14.2820,
28.4854

■ 11.1561, 12.7407,
28.2571

■ 14.0432, 16.0196,
28.7378

■ 10.0990, 11.3826,
28.0507

■ 15.9124, 17.9626,
29.0143

■ 9.2685, 10.1946,
27.8651

■ 18.0882, 20.1208,
29.3162

■ 8.6031, 9.1441,
27.6974

■ 20.5860, 22.5033,
29.6444

■ 8.5852, 9.1158,
27.6929

■ 23.4199, 25.1182,
29.9998

■ 26.6035, 27.9732,
30.3831

■ 30.1492, 31.0759,
30.7951

■ 34.0690, 34.4331,
31.2365

■ 38.3743, 38.0515,
31.7080

Harmonies

Analogous

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



10.9535, 14.2820, 24.1804



12.4634, 14.2820, 28.4854



14.4226, 14.2820, 28.8454

Triad

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



12.4634, 14.2820, 28.4854



17.6510, 14.2820, 13.2902



11.1526, 14.2820, 8.8101

Complementary

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



12.4634, 14.2820, 28.4854



16.0070, 13.7177, 5.8077

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.



12.7605, 14.2820, 7.1357



12.4634, 14.2820, 28.4854



16.5837, 14.2820, 9.2657

Square

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



12.4634, 14.2820, 28.4854



17.5516, 14.2820, 19.0592



14.7500, 14.2820, 7.2791



10.2489, 14.2820, 12.5015

Rectangle

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



12.4634, 14.2820, 28.4854



15.7350, 14.2820, 26.7007



14.7500, 14.2820, 7.2791



11.6216, 14.2820, 8.0383

Sweetspot

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



12.4639, 14.2825, 28.4857



36.9482, 40.2886, 52.3671



13.6056, 21.6012, 13.3431



8.1875, 8.9714, 11.9723



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.4639, 14.2825, 28.4857



18.9262, 21.5346, 49.6971



8.8487, 7.0521, 27.2807



5.3888, 5.7734, 6.8591



7.4992, 7.9843, 24.1230



0.0931, 0.1191, 0.2378

Inverse Universe

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



15.8843, 10.1037, 16.1524



25.8731, 14.6662, 24.2854



20.7862, 23.2762, 7.4008



5.5397, 5.4764, 6.3402



11.5883, 5.7924, 8.7495



0.1216, 0.0597, 0.1405

Previews

White Background



This preview shows how the XYZ color 12.4634, 14.2820, 28.4854 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 12.4634, 14.2820, 28.4854 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 12.4634, 14.2820, 28.4854

Background



This preview shows how black text looks on a background with the XYZ color 12.4634, 14.2820, 28.4854.

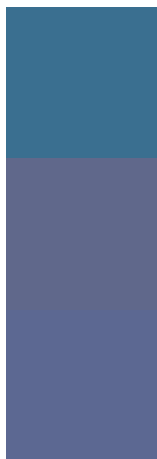


This preview shows how white text looks on a background with the XYZ color 12.4634, 14.2820,

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

12.4634, 14.2820, 28.4854

Protanopia

14.4344, 14.2515, 26.4161

Deuteranopia

14.5523, 14.2513, 29.1779



Tritanopia

11.0354, 14.3697, 21.2608

Trichromacy



Original Color

12.4634, 14.2820, 28.4854

Protanomaly

13.5451, 14.2323, 27.2325

Deuteranomaly

13.6768, 14.2652, 28.8207

Tritanomaly

11.5302, 14.4034, 23.6452

Monochromacy



Original Color

12.4634, 14.2820, 28.4854

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.6009, 12.8231, 18.0833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4634, 14.2820, 28.4854 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(58, 111, 144)` looks like.

```
.text, #text, p{  
    color:rgb(58, 111, 144)  
}
```

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(58, 111, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 111, 144) }
```

Border

The CSS property to change the border of an element to XYZ 12.4634, 14.2820, 28.4854 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(58, 111, 144) }
```


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

```
.border{ border-color:rgb(58, 111, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 111, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 111, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 111, 144);  
box-shadow:4px 4px 4px 4px rgb(58, 111,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4634, 14.2820, 28.4854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 111, 144) }
```

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

```
.background{ background-color: rgb(58, 111,  
144) }
```

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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