

Converting Colors

XYZ(13.5243, 14.3051, 28.7759)

Have a look what the booklet for
XYZ(13.5243, 14.3051, 28.7759)
contains.

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Color

**XYZ(13.5340, 14.3472,
28.8440)**

Conversions

Conversions Part 1

Format	Color
Hex	4D6C91
RGB	77, 108, 145
RGB Percent	30%, 42%, 57%
CMY	0.6980, 0.5765, 0.4314
CMYK	0.47, 0.26, 0.00, 0.43
HSL	213°, 31%, 44%
HSV	213°, 47%, 57%
XYZ	13.5340, 14.3472, 28.8440
YIQ	102.9490, -30.3530, 4.9350

Conversions

Conversions Part 2

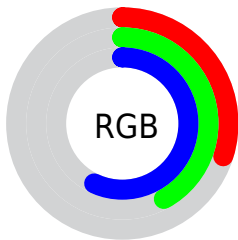
Format	Color
RYB	77, 98, 145
Decimal	5074065
CIELab	44.73, -0.66, -23.75
CIELCh	45, 23.756, 268.413
Yxy	14.3472, 0.2386, 0.2529
Android (android.graphics.Color)	4283264145 (0xFF4D6C91)
YUV	102.9490, 20.7311, -22.7573
Hunter-Lab	37.8777, -2.5065, -18.6352

Details

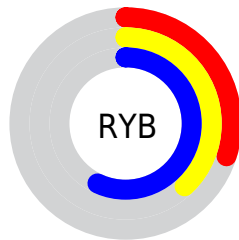
The XYZ color **13.5340, 14.3472, 28.8440** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **19.0345, 18.5910, 9.6071**, and the grayscale version is **12.8318, 13.5000, 14.7015**.

A 20% lighter version of the original color is **31.7602, 33.5869, 58.8418**, and **4.0658, 4.3398, 11.2131** is the 20% darker color. If you saturate the color by 10%, you get **11.6971, 12.2206, 28.5306**, and if you desaturate by 10%, it is **15.7080, 16.7600, 29.1954**.

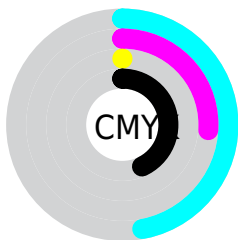
Distribution



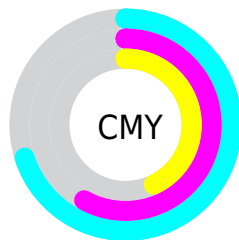
- Red (30%)
- Green (42%)
- Blue (57%)



- Red (30%)
- Yellow (38%)
- Blue (57%)



- Cyan (47%)
- Magenta (26%)
- Yellow (0%)
- Black (43%)



- Cyan (70%)
- Magenta (58%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5340, 14.3472, 28.8440 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 13.5340, 14.3472, 28.8440 by changing the saturation by 10% instead.

■ 13.5340, 14.3472,
28.8440

■ 13.5340, 14.3472,
28.8440

207.8814,
219.3802, 310.5161

■ 7.8768, 8.3625,
18.7183

■ 31.8531, 33.7038,
58.8684

■ 4.0674, 4.3278,
11.2921

■ 45.2457, 47.8446,
79.6041

■ 1.7403, 1.8586,
6.1471

■ 61.9474, 65.4728,
104.7136

■ 0.4813, 0.5233,
2.8645

■ 82.3237, 86.9730,
134.6153

■ 0.0000, 0.0000,
1.0259

■ 106.7399,
112.7294, 169.7279

■ 0.0000, 0.0000,
0.0000

135.5614,

143.1264, 210.4699

169.1534,
178.5486, 257.2597

■ 13.5340, 14.3472,
28.8440

■ 13.5340, 14.3472,
28.8440

■ 11.6971, 12.2206,
28.5306

■ 15.7080, 16.7600,
29.1954

■ 10.1764, 10.3656,
28.2527

■ 18.2355, 19.4693,
29.5851

■ 8.9505, 8.7683,
28.0090

■ 21.1335, 22.4871,
30.0149

■ 7.9945, 7.4128,
27.7978

■ 24.4173, 25.8238,
30.4859

■ 7.2679, 6.2747,
27.6164

■ 28.1016, 29.4895,
30.9992

■ 7.0650, 5.9526,
27.5649

■ 32.1998, 33.4937,
31.5561

■ 36.7252, 37.8456,
32.1576

■ 41.6901, 42.5540,
32.8047

■ 47.1065, 47.6272,
33.4985

Harmonies

Analogous

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



11.7828, 14.3472, 26.5431



13.5340, 14.3472, 28.8440



15.4806, 14.3472, 26.9647

Triad

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



13.5340, 14.3472, 28.8440



17.1698, 14.3472, 11.0887



10.7120, 14.3472, 10.6877

Complementary

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



13.5340, 14.3472, 28.8440



19.0345, 18.5910, 9.6071

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.



11.9451, 14.3472, 8.0114



13.5340, 14.3472, 28.8440



15.6753, 14.3472, 8.2016

Square

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



13.5340, 14.3472, 28.8440



17.6949, 14.3472, 15.9180



13.7397, 14.3472, 7.2209



10.2517, 14.3472, 15.3290

Rectangle

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



13.5340, 14.3472, 28.8440



16.6064, 14.3472, 23.7960



13.7397, 14.3472, 7.2209



11.0438, 14.3472, 9.5733

Sweetspot

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



13.5345, 14.3477, 28.8443



39.3094, 41.7699, 53.9641



16.1822, 23.0272, 19.2941



8.5012, 9.0427, 11.9696



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.



13.5345, 14.3477, 28.8443



20.8658, 21.7879, 51.0793



11.0120, 9.0266, 27.9502



5.3194, 5.6346, 6.8360



6.0853, 5.1565, 23.6517



0.0798, 0.0925, 0.2333

Inverse Universe

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



17.0382, 12.4109, 15.6853



28.1177, 18.6154, 23.6552



22.7469, 26.6028, 10.9579



5.5047, 5.4624, 6.1558



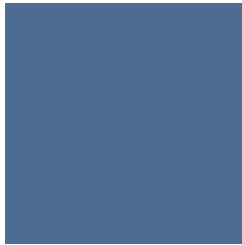
10.8747, 5.5069, 4.9914



0.1149, 0.0570, 0.1051

Previews

White Background



This preview shows how the XYZ color 13.5340, 14.3472, 28.8440 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 13.5340, 14.3472, 28.8440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

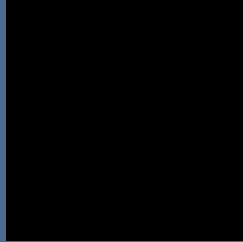
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

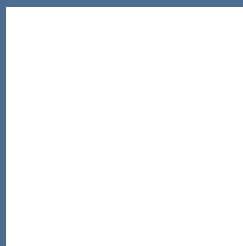
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.5340, 14.3472, 28.8440

Background



This preview shows how black text looks on a background with the XYZ color 13.5340, 14.3472, 28.8440.

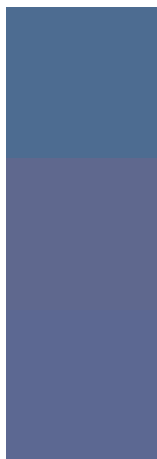


This preview shows how white text looks on a background with the XYZ color 13.5340, 14.3472,

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

13.5340, 14.3472, 28.8440

Protanopia

14.5521, 14.2865, 27.5818

Deuteranopia

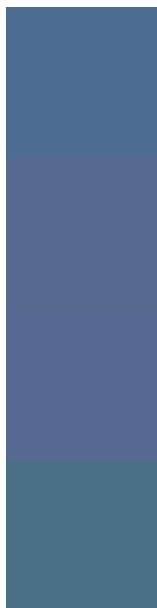
14.5523, 14.2513, 29.1779



Tritanopia

11.7711, 14.2709, 20.2233

Trichromacy



Original Color

13.5340, 14.3472, 28.8440

Protanomaly

14.0340, 14.1610, 27.9803

Deuteranomaly

14.1704, 14.2047, 29.1891

Tritanomaly

12.4614, 14.3971, 23.2412

Monochromacy



Original Color

13.5340, 14.3472, 28.8440

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.9377, 13.7908, 19.1195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5340, 14.3472, 28.8440 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(77, 108, 145)` looks like.

```
.text, #text, p{  
    color:rgb(77, 108, 145)  
}
```

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(77, 108, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 108, 145) }
```

Border

The CSS property to change the border of an element to XYZ 13.5340, 14.3472, 28.8440 is called "border". The border property can be set on classes, ids or directly on the HTML element.

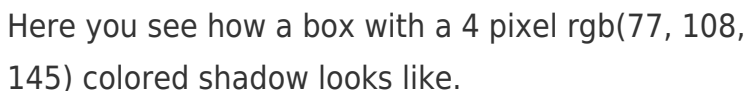
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(77, 108, 145) }
```


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

```
.border{ border-color:rgb(77, 108, 145) }
```

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



Here you see how a box with a 4 pixel `rgb(77, 108, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(77, 108, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(77, 108, 145); box-shadow:4px 4px 4px 4px rgb(77, 108, 145) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5340, 14.3472, 28.8440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 108, 145) }
```

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

```
.background{ background-color: rgb(77, 108,  
145) }
```

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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