

Converting Colors

XYZ(14.2453, 13.4455, 39.9513)

Have a look what the booklet for
XYZ(14.2453, 13.4455, 39.9513)
contains.

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Color

**XYZ(14.2241, 13.4029,
39.8675)**

Conversions

Conversions Part 1

Format	Color
Hex	4365AA
RGB	67, 101, 170
RGB Percent	26%, 40%, 67%
CMY	0.7372, 0.6039, 0.3333
CMYK	0.61, 0.41, 0.00, 0.33
HSL	220°, 43%, 46%
HSV	220°, 61%, 67%
XYZ	14.2241, 13.4029, 39.8675
YIQ	98.7000, -42.4130, 14.2510

Conversions

Conversions Part 2

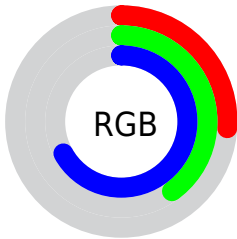
Format	Color
R _{YB}	67, 93, 170
Decimal	4416938
CIE Lab	43.36, 9.58, -40.73
CIE LCh	43, 41.841, 283.236
Yxy	13.4029, 0.2107, 0.1986
Android (android.graphics.Color)	4282607018 (0xFF4365AA)
YUV	98.7000, 35.1509, -27.8009
Hunter-Lab	36.6100, 5.2853, -38.9386

Details

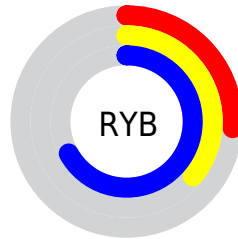
The XYZ color **14.2241, 13.4029, 39.8675** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **26.3958, 26.5611, 9.0466**, and the grayscale version is **11.7071, 12.3168, 13.4130**.

A 20% lighter version of the original color is **33.1241, 32.1584, 76.4129**, and **4.5771, 4.0167, 17.3637** is the 20% darker color. If you saturate the color by 10%, you get **12.1949, 10.8276, 39.4777**, and if you desaturate by 10%, it is **16.7497, 16.4619, 40.3251**.

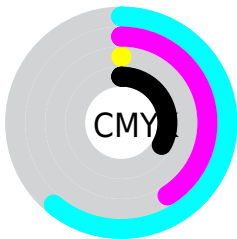
Distribution



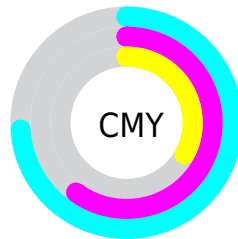
- Red (26%)
- Green (40%)
- Blue (67%)



- Red (26%)
- Yellow (36%)
- Blue (67%)



- Cyan (61%)
- Magenta (41%)
- Yellow (0%)
- Black (33%)



- Cyan (74%)
- Magenta (60%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.2241, 13.4029, 39.8675 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 14.2241, 13.4029, 39.8675 by changing the saturation by 10% instead.

■ 14.2241, 13.4029,
39.8675

■ 14.2241, 13.4029,
39.8675

212.1034,
213.4839, 361.1003

■ 8.3594, 7.7066,
27.1223

■ 33.0691, 32.0257,
76.1966

■ 4.3795, 3.9078,
17.4318

■ 46.7801, 45.7210,
100.6175

■ 1.9190, 1.6221,
10.3776

■ 63.8373, 62.8514,
129.7674

■ 0.5878, 0.3724,
5.5412

■ 84.6061, 83.8013,
164.0648

■ 0.0000, 0.0000,
2.5039

■ 109.4517,
108.9551, 203.9282

■ 0.0000, 0.0000,
0.8422

138.7395,

■ 0.0000, 0.0000,

138.6972, 249.7763

0.0000

172.8350,
173.4120, 302.0274

■ 14.2241, 13.4029,
39.8675

■ 14.2241, 13.4029,
39.8675

■ 12.1949, 10.8276,
39.4777

■ 16.7497, 16.4619,
40.3251

■ 10.6234, 8.7063,
39.1510

■ 19.8031, 20.0292,
40.8527

■ 9.4669, 7.0072,
38.8840

■ 23.4151, 24.1290,
41.4537

■ 8.6754, 5.7415,
38.6814

■ 27.6132, 28.7834,
42.1308

■ 32.4232, 34.0133,
42.8868

■ 37.8693, 39.8383,
43.7241

■ 43.9744, 46.2773,
44.6452

■ 50.7601, 53.3480,
45.6523

■ 58.2471, 61.0675,
46.7477

Harmonies

Analogous

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



11.0203, 13.4029, 39.3127



14.2241, 13.4029, 39.8675



17.5171, 13.4029, 31.9010

Triad

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



14.2241, 13.4029, 39.8675



17.8557, 13.4029, 5.4464



7.6434, 13.4029, 10.0161

Complementary

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



14.2241, 13.4029, 39.8675



26.3958, 26.5611, 9.0466

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.



8.9199, 13.4029, 5.0524



14.2241, 13.4029, 39.8675



14.6279, 13.4029, 3.2894

Square

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



14.2241, 13.4029, 39.8675



19.8419, 13.4029, 10.8673



11.3611, 13.4029, 3.1849



7.5728, 13.4029, 19.0867

Rectangle

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



14.2241, 13.4029, 39.8675



19.1730, 13.4029, 24.2276



11.3611, 13.4029, 3.1849



7.9344, 13.4029, 7.9266

Sweetspot

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



14.2246, 13.4033, 39.8678



51.9735, 54.2749, 76.7387



21.1104, 31.7113, 28.1776



11.0668, 11.5299, 17.0299



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



14.2246, 13.4033, 39.8678



20.9669, 18.1130, 71.3930



12.9347, 8.8100, 39.0492



7.3265, 7.6900, 9.5165



6.4281, 4.3163, 28.4698



0.2029, 0.1981, 0.7082

Inverse Universe

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



20.9342, 13.5007, 13.8147



34.6895, 19.9274, 17.7457



28.4938, 35.9112, 10.7408



7.6294, 7.5816, 8.3657



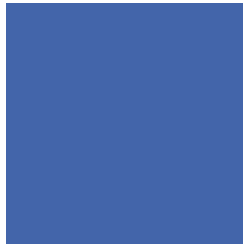
12.7452, 6.5068, 3.4698



0.3336, 0.1677, 0.2081

Previews

White Background



This preview shows how the XYZ color 14.2241, 13.4029, 39.8675 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 14.2241, 13.4029, 39.8675 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

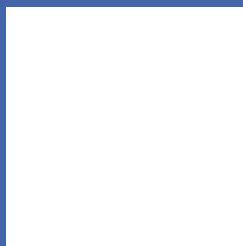
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.2241, 13.4029, 39.8675

Background



This preview shows how black text looks on a background with the XYZ color 14.2241, 13.4029, 39.8675.



This preview shows how white text looks on a background with the XYZ color 14.2241, 13.4029,

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

14.2241, 13.4029, 39.8675

Protanopia

14.5426, 13.4348, 39.3628

Deuteranopia

13.7933, 13.4726, 39.9037



Tritanopia

10.2841, 13.5043, 20.1537

Trichromacy



Original Color

14.2241, 13.4029, 39.8675

Protanomaly

14.3171, 13.3185, 39.3523

Deuteranomaly

13.9315, 13.3971, 39.8818

Tritanomaly

11.4389, 13.3193, 26.3941

Monochromacy



Original Color

14.2241, 13.4029, 39.8675

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.1893, 12.6212, 21.1957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.2241, 13.4029, 39.8675 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(67, 101, 170)` looks like.

```
.text, #text, p{  
    color:rgb(67, 101, 170)  
}
```

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(67, 101, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 101, 170) }
```

Border

The CSS property to change the border of an element to XYZ 14.2241, 13.4029, 39.8675 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(67, 101, 170) }
```


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

```
.border{ border-color:rgb(67, 101, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 101, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(67, 101, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(67, 101, 170); box-shadow:4px 4px 4px 4px rgb(67, 101, 170) }
```

Background

The CSS property to change the background color of an element to XYZ 14.2241, 13.4029, 39.8675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 101, 170) }
```

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

```
.background{ background-color: rgb(67, 101,  
170) }
```

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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