

Converting Colors

XYZ(14.4398, 12.3957, 40.6652)

Have a look what the booklet for
XYZ(14.4398, 12.3957, 40.6652)
contains.

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Color

**XYZ(14.4213, 12.3850,
40.6602)**

Conversions

Conversions Part 1

Format	Color
Hex	4D5DAC
RGB	77, 93, 172
RGB Percent	30%, 36%, 67%
CMY	0.6980, 0.6353, 0.3255
CMYK	0.55, 0.46, 0.00, 0.33
HSL	230°, 38%, 49%
HSV	230°, 55%, 67%
XYZ	14.4213, 12.3850, 40.6602
YIQ	97.2220, -34.8950, 21.1770

Conversions

Conversions Part 2

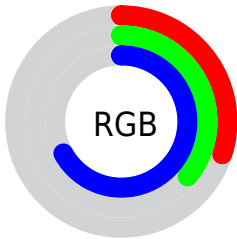
Format	Color
R _Y B	77, 91, 172
Decimal	5070252
CIE Lab	41.82, 17.45, -44.33
CIE LCh	42, 47.642, 291.486
Yxy	12.3850, 0.2138, 0.1836
Android (android.graphics.Color)	4283260332 (0xFF4D5DAC)
YUV	97.2220, 36.8656, -17.7347
Hunter-Lab	35.1923, 11.5601, -43.8673

Details

The XYZ color **14.4213, 12.3850, 40.6602** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **30.2423, 33.0850, 11.8141**, and the grayscale version is **11.3356, 11.9259, 12.9874**.

A 20% lighter version of the original color is **33.4989, 30.2329, 77.4687**, and **4.4869, 3.4974, 17.8914** is the 20% darker color. If you saturate the color by 10%, you get **12.0723, 9.4815, 40.2238**, and if you desaturate by 10%, it is **17.3731, 15.9481, 41.1926**.

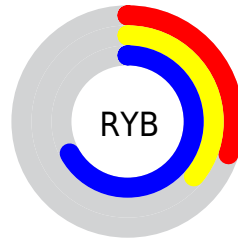
Distribution



Red (30%)

Green (36%)

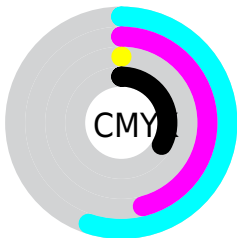
Blue (67%)



Red (30%)

Yellow (36%)

Blue (67%)

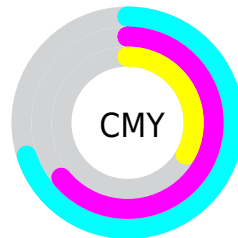


Cyan (55%)

Magenta (46%)

Yellow (0%)

Black (33%)



Cyan (70%)

Magenta (64%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4213, 12.3850, 40.6602 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 14.4213, 12.3850, 40.6602 by changing the saturation by 10% instead.

■ 14.4213, 12.3850,
40.6602

■ 14.4213, 12.3850,
40.6602

213.2948,
206.9377, 364.5329

■ 8.4979, 7.0064,
27.7360

■ 33.4148, 30.1944,
77.4159

■ 4.4696, 3.4661,
17.8894

■ 47.2156, 43.3940,
102.0844

■ 1.9711, 1.3797,
10.7020

■ 64.3729, 59.9695,
131.5047

■ 0.6177, 0.2017,
5.7552

■ 85.2521, 80.3051,
166.0954

■ 0.0000, 0.0000,
2.6304

■ 110.2185,
104.7854, 206.2751

■ 0.0000, 0.0000,
0.9081

139.6376,

■ 0.0000, 0.0000,

133.7946, 252.4622

0.0000

173.8745,
167.7173, 305.0753

■ 14.4213, 12.3850,
40.6602

■ 14.4213, 12.3850,
40.6602

■ 12.0723, 9.4815,
40.2238

■ 17.3731, 15.9481,
41.1926

■ 10.2819, 7.1950,
39.8769

■ 20.9646, 20.2075,
41.8255

■ 9.0018, 5.4793,
39.6132

■ 25.2316, 25.1984,
42.5639

■ 8.1736, 4.2803,
39.4254

■ 30.2067, 30.9534,
43.4125

■ 7.8849, 3.8555,
39.3586

■ 35.9204, 37.5029,
44.3756

■ 42.4013, 44.8760,
45.4571

■ 49.6767, 53.0999,
46.6611

■ 57.7723, 62.2007,
47.9910

■ 66.7128, 72.2035,
49.4505

Harmonies

Analogous

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



10.8002, 12.3850, 43.0655



14.4213, 12.3850, 40.6602



17.8830, 12.3850, 29.4620

Triad

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



14.4213, 12.3850, 40.6602



16.4954, 12.3850, 3.3093



6.2780, 12.3850, 10.8206

Complementary

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



14.4213, 12.3850, 40.6602



30.2423, 33.0850, 11.8141

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.



7.2402, 12.3850, 4.6735



14.4213, 12.3850, 40.6602



12.7996, 12.3850, 1.9780

Square

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



14.4213, 12.3850, 40.6602



19.2366, 12.3850, 7.5711



9.4681, 12.3850, 2.3094



6.5411, 12.3850, 21.8782

Rectangle

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



14.4213, 12.3850, 40.6602



19.4032, 12.3850, 20.6028



9.4681, 12.3850, 2.3094



6.4605, 12.3850, 8.2306

Sweetspot

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



14.4218, 12.3854, 40.6605



52.8182, 53.8709, 78.4201



23.6951, 33.4359, 36.0327



11.0907, 11.2596, 16.9765



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.



14.4218, 12.3854, 40.6605



21.1895, 16.3053, 72.8362



16.1745, 11.4182, 40.3814



7.6839, 7.9671, 10.0855



5.8962, 2.9262, 29.2986



0.1961, 0.1456, 0.8257

Inverse Universe

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



21.6434, 14.8695, 12.0855



35.8300, 22.0652, 14.7429



27.2337, 35.7847, 12.4938



8.0582, 8.0365, 8.6175



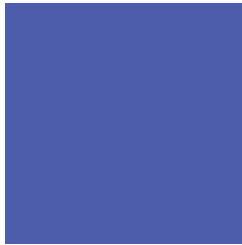
12.8397, 6.5984, 1.5356



0.3734, 0.1900, 0.1280

Previews

White Background



This preview shows how the XYZ color 14.4213, 12.3850, 40.6602 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 14.4213, 12.3850, 40.6602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

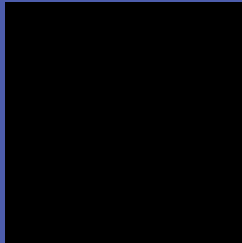
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.4213, 12.3850, 40.6602

Background



This preview shows how black text looks on a background with the XYZ color 14.4213, 12.3850, 40.6602.



This preview shows how white text looks on a background with the XYZ color 14.4213, 12.3850,

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

14.4213, 12.3850, 40.6602

Protanopia

13.8452, 12.4530, 42.2314

Deuteranopia

12.7273, 12.4880, 39.7698



Tritanopia

9.8794, 12.3866, 18.0898

Trichromacy



Original Color

14.4213, 12.3850, 40.6602

Protanomaly

14.0469, 12.4337, 41.7040

Deuteranomaly

13.1467, 12.2739, 40.2043

Tritanomaly

11.2120, 12.1749, 25.0516

Monochromacy



Original Color

14.4213, 12.3850, 40.6602

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

12.0374, 11.9946, 20.7495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4213, 12.3850, 40.6602 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, 93, 172)` looks like.

```
.text, #text, p{  
    color:rgb(77, 93, 172)  
}
```

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, 93, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 93, 172) }
```

Border

The CSS property to change the border of an element to XYZ 14.4213, 12.3850, 40.6602 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, 93, 172) }
```


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

```
.border{ border-color:rgb(77, 93, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 93, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 93, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 93, 172);  
box-shadow:4px 4px 4px 4px rgb(77, 93,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4213, 12.3850, 40.6602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 93, 172) }
```

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

```
.background{ background-color: rgb(77, 93,  
172) }
```

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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