

Converting Colors

XYZ(15.2127, 14.3846, 40.0058)

Have a look what the booklet for
XYZ(15.2127, 14.3846, 40.0058)
contains.

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Color

**XYZ(15.1865, 14.3394,
39.9976)**

Conversions

Conversions Part 1

Format	Color
Hex	4C68AA
RGB	76, 104, 170
RGB Percent	30%, 41%, 67%
CMY	0.7019, 0.5922, 0.3333
CMYK	0.55, 0.39, 0.00, 0.33
HSL	222°, 38%, 48%
HSV	222°, 55%, 67%
XYZ	15.1865, 14.3394, 39.9976
YIQ	103.1520, -37.8740, 14.5900

Conversions

Conversions Part 2

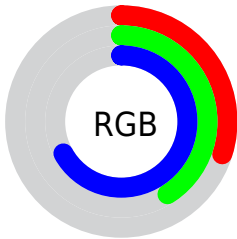
Format	Color
R_{YB}	76, 98, 170
Decimal	5007530
CIE _{Lab}	44.72, 9.61, -38.55
CIE _{LCh}	45, 39.734, 283.997
Yxy	14.3394, 0.2184, 0.2063
Android (android.graphics.Color)	4283197610 (0xFF4C68AA)
YUV	103.1520, 32.9561, -23.8123
Hunter-Lab	37.8674, 5.3184, -36.1181

Details

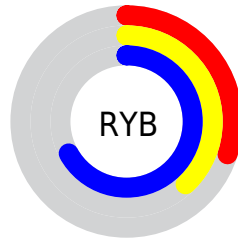
The XYZ color **15.1865, 14.3394, 39.9976** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.5559, 28.4151, 10.8706**, and the grayscale version is **12.8555, 13.5250, 14.7288**.

A 20% lighter version of the original color is **34.8089, 33.7590, 76.6330**, and **4.8241, 4.3621, 17.4173** is the 20% darker color. If you saturate the color by 10%, you get **12.8924, 11.4978, 39.5703**, and if you desaturate by 10%, it is **18.0087, 17.7062, 40.4990**.

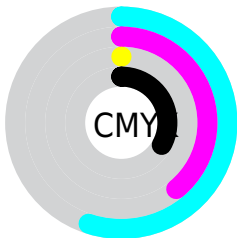
Distribution



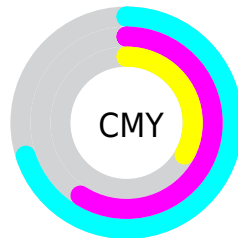
- Red (30%)
- Green (41%)
- Blue (67%)



- Red (30%)
- Yellow (38%)
- Blue (67%)



- Cyan (55%)
- Magenta (39%)
- Yellow (0%)
- Black (33%)



- Cyan (70%)
- Magenta (59%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1865, 14.3394, 39.9976 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 15.1865, 14.3394, 39.9976 by changing the saturation by 10% instead.

■ 15.1865, 14.3394,
39.9976

■ 15.1865, 14.3394,
39.9976

217.8584,
219.3321, 361.6652

■ 9.0375, 8.3571,
27.2229

■ 34.7490, 33.6900,
76.3969

■ 4.8230, 4.3243,
17.5068

■ 48.8933, 47.8272,
100.8586

■ 2.1775, 1.8566,
10.4307

■ 66.4333, 65.4514,
130.0530

■ 0.7308, 0.5221,
5.5761

■ 87.7346, 86.9470,
164.3987

■ 0.0000, 0.0000,
2.5245

■ 113.1623,
112.6985, 204.3143

■ 0.0000, 0.0000,
0.8531

143.0820,

■ 0.0000, 0.0000,

143.0903, 250.2182

0.0000

177.8589,
178.5067, 302.5290

■ 15.1865, 14.3394,
39.9976

■ 15.1865, 14.3394,
39.9976

■ 12.8924, 11.4978,
39.5703

■ 18.0087, 17.7062,
40.4990

■ 11.0888, 9.1508,
39.2124

■ 21.3895, 21.6232,
41.0769

■ 9.7355, 7.2665,
38.9200

■ 25.3593, 26.1157,
41.7348

■ 8.7825, 5.8071,
38.6885

■ 29.9455, 31.2067,
42.4757

■ 8.4237, 5.2382,
38.5976

■ 35.1737, 36.9179,
43.3025

■ 41.0680, 43.2700,
44.2180

■ 47.6515, 50.2827,
45.2245

■ 54.9458, 57.9746,
46.3248

■ 62.9718, 66.3639,
47.5211

Harmonies

Analogous

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



11.9884, 14.3394, 39.6968



15.1865, 14.3394, 39.9976



18.4120, 14.3394, 32.2129

Triad

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



15.1865, 14.3394, 39.9976



18.6005, 14.3394, 6.2335



8.4904, 14.3394, 11.2068

Complementary

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



15.1865, 14.3394, 39.9976



27.5559, 28.4151, 10.8706

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.



9.7558, 14.3394, 5.9979



15.1865, 14.3394, 39.9976



15.4132, 14.3394, 4.0004

Square

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



15.1865, 14.3394, 39.9976



20.5837, 14.3394, 11.6957



12.1821, 14.3394, 3.9357



8.4494, 14.3394, 20.3203

Rectangle

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



15.1865, 14.3394, 39.9976



20.0046, 14.3394, 24.7767



12.1821, 14.3394, 3.9357



8.7765, 14.3394, 9.0438

Sweetspot

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



15.1871, 14.3399, 39.9980



52.5622, 54.6687, 76.7837



22.2233, 32.2334, 30.5636



11.3524, 11.7829, 17.0637



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.



15.1871, 14.3399, 39.9980



22.7017, 19.9824, 71.6624



14.5395, 10.4942, 39.2898



7.3072, 7.6513, 9.5101



6.2400, 3.9402, 28.4071



0.1958, 0.1838, 0.7058

Inverse Universe

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



21.6612, 14.7151, 14.7957



35.9558, 21.9294, 19.8033



28.4794, 35.8702, 12.2609



7.6196, 7.5777, 8.3142



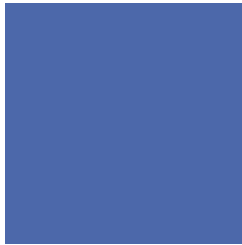
12.6503, 6.4688, 2.9699



0.3300, 0.1663, 0.1892

Previews

White Background



This preview shows how the XYZ color 15.1865, 14.3394, 39.9976 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 15.1865, 14.3394, 39.9976 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

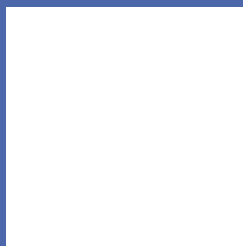
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.1865, 14.3394, 39.9976

Background



This preview shows how black text looks on a background with the XYZ color 15.1865, 14.3394, 39.9976.



This preview shows how white text looks on a background with the XYZ color 15.1865, 14.3394,

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

15.1865, 14.3394, 39.9976

Protanopia

15.3199, 14.2705, 39.4832

Deuteranopia

14.7936, 14.4393, 40.0376



Tritanopia

11.3374, 14.3642, 20.9139

Trichromacy



Original Color

15.1865, 14.3394, 39.9976

Protanomaly

15.2361, 14.2273, 39.4792

Deuteranomaly

14.9058, 14.3450, 40.0135

Tritanomaly

12.4895, 14.1691, 26.8876

Monochromacy



Original Color

15.1865, 14.3394, 39.9976

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.1952, 13.5600, 22.0005

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1865, 14.3394, 39.9976 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(76, 104, 170)` looks like.

```
.text, #text, p{  
    color:rgb(76, 104, 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(76, 104, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 104, 170) }
```

Border

The CSS property to change the border of an element to XYZ 15.1865, 14.3394, 39.9976 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(76, 104, 170) }
```


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

```
.border{ border-color:rgb(76, 104, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 104, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 104, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 104, 170);  
box-shadow:4px 4px 4px 4px rgb(76, 104,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1865, 14.3394, 39.9976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 104, 170) }
```

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

```
.background{ background-color: rgb(76, 104,  
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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