

Converting Colors

XYZ(16.0471, 14.0715, 44.2341)

Have a look what the booklet for
XYZ(16.0471, 14.0715, 44.2341)
contains.

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Color

**XYZ(15.9864, 14.0780,
43.9942)**

Conversions

Conversions Part 1

Format	Color
Hex	5164B2
RGB	81, 100, 178
RGB Percent	32%, 39%, 70%
CMY	0.6823, 0.6078, 0.3020
CMYK	0.54, 0.44, 0.00, 0.30
HSL	228°, 39%, 51%
HSV	228°, 54%, 70%
XYZ	15.9864, 14.0780, 43.9942
YIQ	103.2110, -36.3620, 20.2300

Conversions

Conversions Part 2

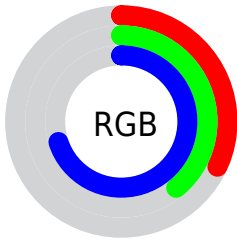
Format	Color
R _Y B	81, 97, 178
Decimal	5334194
CIE Lab	44.34, 15.89, -43.81
CIE LCh	44, 46.608, 289.937
Yxy	14.0780, 0.2159, 0.1901
Android (android.graphics.Color)	4283524274 (0xFF5164B2)
YUV	103.2110, 36.8710, -19.4790
Hunter-Lab	37.5207, 10.3922, -43.2550

Details

The XYZ color **15.9864, 14.0780, 43.9942** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **32.2445, 34.8570, 12.8142**, and the grayscale version is **12.8608, 13.5306, 14.7348**.

A 20% lighter version of the original color is **36.2344, 33.3921, 82.3775**, and **5.2178, 4.2206, 19.9417** is the 20% darker color. If you saturate the color by 10%, you get **13.4018, 10.8836, 43.5141**, and if you desaturate by 10%, it is **19.2132, 17.9619, 44.5741**.

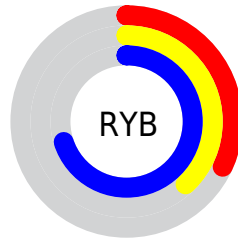
Distribution



Red (32%)

Green (39%)

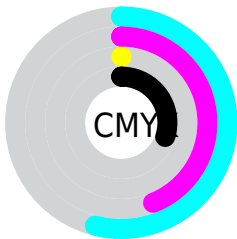
Blue (70%)



Red (32%)

Yellow (38%)

Blue (70%)

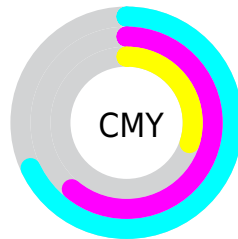


Cyan (54%)

Magenta (44%)

Yellow (0%)

Black (30%)



Cyan (68%)

Magenta (61%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9864, 14.0780, 43.9942 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 15.9864, 14.0780, 43.9942 by changing the saturation by 10% instead.

■ 15.9864, 14.0780,
43.9942

■ 15.9864, 14.0780,
43.9942

222.5334,
217.7155, 378.7253

■ 9.6053, 8.1749,
30.3288

■ 36.1322, 33.2274,
82.5114

■ 5.1983, 4.2071,
19.8341

■ 50.6277, 47.2425,
108.2003

■ 2.4000, 1.7901,
12.0916

■ 68.5586, 64.7303,
138.7340

■ 0.8451, 0.4810,
6.6828

■ 90.2905, 86.0754,
174.5312

■ 0.0000, 0.0000,
3.1891

116.1885,
111.6621, 216.0104

■ 0.0000, 0.0000,
1.1920

146.6181,

■ 0.0000, 0.0000,

141.8747, 263.5901

0.0000

181.9446,
177.0977, 317.6889

■ 15.9864, 14.0780,
43.9942

■ 15.9864, 14.0780,
43.9942

■ 13.4018, 10.8836,
43.5141

■ 19.2132, 17.9619,
44.5741

■ 11.4131, 8.3356,
43.1271

■ 23.1206, 22.5720,
45.2580

■ 9.9701, 6.3878,
42.8272

■ 27.7461, 27.9439,
46.0511

■ 9.0133, 4.9869,
42.6073

■ 33.1238, 34.1106,
46.9579

■ 8.6329, 4.4082,
42.5156

■ 39.2857, 41.1031,
47.9829

■ 46.2618, 48.9505,
49.1299

■ 54.0805, 57.6806,
50.4029

■ 62.7691, 67.3201,
51.8055

■ 72.3533, 77.8943,
53.3414

Harmonies

Analogous

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



12.1629, 14.0780, 45.8739



15.9864, 14.0780, 43.9942



19.6753, 14.0780, 32.7776

Triad

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



15.9864, 14.0780, 43.9942



18.5648, 14.0780, 4.3500



7.4744, 14.0780, 12.0036

Complementary

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



15.9864, 14.0780, 43.9942



32.2445, 34.8570, 12.8142

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.



8.5961, 14.0780, 5.5252



15.9864, 14.0780, 43.9942



14.6773, 14.0780, 2.6764

Square

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



15.9864, 14.0780, 43.9942



21.3456, 14.0780, 9.3224



11.0748, 14.0780, 2.9735



7.6939, 14.0780, 23.4807

Rectangle

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



15.9864, 14.0780, 43.9942



21.3383, 14.0780, 23.5370



11.0748, 14.0780, 2.9735



7.6976, 14.0780, 9.2921

Sweetspot

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



15.9870, 14.0785, 43.9946



58.2240, 59.7526, 84.8458



25.5377, 36.0799, 38.2380



12.4469, 12.7204, 18.7215



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



15.9870, 14.0785, 43.9946



23.6426, 18.9040, 78.7839



17.4221, 12.4216, 43.5991



8.1723, 8.4907, 10.7145



6.2131, 3.2266, 30.4323



0.2351, 0.1808, 0.9707

Inverse Universe

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



23.6033, 16.2708, 13.9534



39.1095, 24.2238, 17.5833



29.7824, 38.8155, 13.7080



8.5621, 8.5316, 9.1927



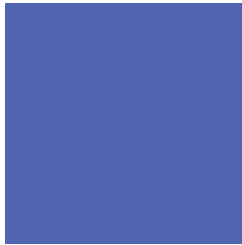
13.3708, 6.8659, 1.8464



0.4407, 0.2240, 0.1634

Previews

White Background



This preview shows how the XYZ color 15.9864, 14.0780, 43.9942 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 15.9864, 14.0780, 43.9942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

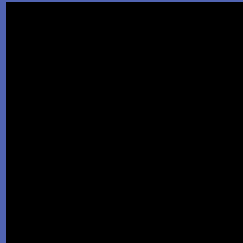
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.9864, 14.0780, 43.9942

Background



This preview shows how black text looks on a background with the XYZ color 15.9864, 14.0780, 43.9942.



This preview shows how white text looks on a background with the XYZ color 15.9864, 14.0780,

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

15.9864, 14.0780, 43.9942

Protanopia

15.5154, 14.1001, 45.0839

Deuteranopia

14.4556, 14.0344, 43.5420



Tritanopia

11.3424, 14.2075, 20.5569

Trichromacy



Original Color

15.9864, 14.0780, 43.9942

Protanomaly

15.6144, 14.0179, 44.5306

Deuteranomaly

14.8360, 13.9316, 43.5021

Tritanomaly

12.6289, 13.9071, 27.6099

Monochromacy



Original Color

15.9864, 14.0780, 43.9942

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.5000, 13.5473, 23.0225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9864, 14.0780, 43.9942 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(81, 100, 178)` looks like.

```
.text, #text, p{  
    color:rgb(81, 100, 178)  
}
```

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(81, 100, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 100, 178) }
```

Border

The CSS property to change the border of an element to XYZ 15.9864, 14.0780, 43.9942 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(81, 100, 178) }
```


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

```
.border{ border-color:rgb(81, 100, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 100, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 100, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 100, 178);  
box-shadow:4px 4px 4px 4px rgb(81, 100,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9864, 14.0780, 43.9942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 100, 178) }
```

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

```
.background{ background-color: rgb(81, 100,  
178) }
```

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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