

Converting Colors

XYZ(14.5323, 14.2715, 33.8948)

Have a look what the booklet for
XYZ(14.5323, 14.2715, 33.8948)
contains.

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Color

**XYZ(14.5307, 14.2868,
33.8901)**

Conversions

Conversions Part 1

Format	Color
Hex	51699D
RGB	81, 105, 157
RGB Percent	32%, 41%, 62%
CMY	0.6823, 0.5882, 0.3843
CMYK	0.48, 0.33, 0.00, 0.38
HSL	221°, 32%, 47%
HSV	221°, 48%, 62%
XYZ	14.5307, 14.2868, 33.8901
YIQ	103.7520, -30.9960, 11.0840

Conversions

Conversions Part 2

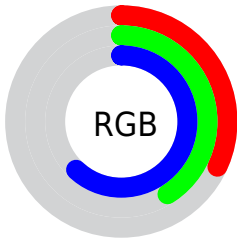
Format	Color
R_{YB}	81, 99, 157
Decimal	5335453
CIE _{Lab}	44.64, 5.97, -30.99
CIE _{LCh}	45, 31.555, 280.902
Yxy	14.2868, 0.2317, 0.2278
Android (android.graphics.Color)	4283525533 (0xFF51699D)
YUV	103.7520, 26.2513, -19.9535
Hunter-Lab	37.7979, 2.4747, -26.7017

Details

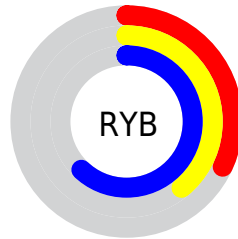
The XYZ color **14.5307, 14.2868, 33.8901** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **23.7779, 24.5379, 11.2683**, and the grayscale version is **13.0304, 13.7090, 14.9291**.

A 20% lighter version of the original color is **33.6036, 33.5987, 67.0015**, and **4.4889, 4.2656, 13.9514** is the 20% darker color. If you saturate the color by 10%, you get **12.3118, 11.6202, 33.4926**, and if you desaturate by 10%, it is **17.2000, 17.3913, 34.3489**.

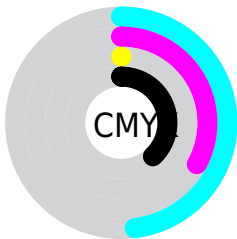
Distribution



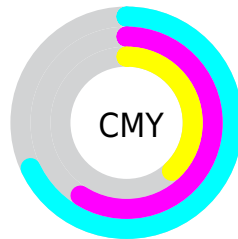
- Red (32%)
- Green (41%)
- Blue (62%)



- Red (32%)
- Yellow (39%)
- Blue (62%)



- Cyan (48%)
- Magenta (33%)
- Yellow (0%)
- Black (38%)



- Cyan (68%)
- Magenta (59%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.5307, 14.2868, 33.8901 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 14.5307, 14.2868, 33.8901 by changing the saturation by 10% instead.

■ 14.5307, 14.2868,
33.8901

■ 14.5307, 14.2868,
33.8901

213.9530,
219.0078, 334.3959

■ 8.5749, 8.3204,
22.5325

■ 33.6062, 33.5971,
66.8947

■ 4.5198, 4.3006,
14.0467

■ 47.4566, 47.7097,
89.3787

■ 2.0002, 1.8431,
8.0140

■ 64.6692, 65.3066,
116.4087

■ 0.6341, 0.5138,
4.0160

■ 85.6094, 86.7720,
148.4031

■ 0.0000, 0.0000,
1.6341

■ 110.6425,
112.4905, 185.7805

■ 0.0000, 0.0000,
0.3150

140.1339,

■ 0.0000, 0.0000,

142.8463, 228.9594

0.0000

174.4489,
178.2240, 278.3583

■ 14.5307, 14.2868,
33.8901

■ 14.5307, 14.2868,
33.8901

■ 12.3118, 11.6202,
33.4926

■ 17.2000, 17.3913,
34.3489

■ 10.5147, 9.3684,
33.1527

■ 20.3426, 20.9520,
34.8706

■ 9.1101, 7.5083,
32.8677

■ 23.9817, 24.9879,
35.4578

■ 8.0635, 6.0137,
32.6344

■ 28.1385, 29.5166,
36.1128

■ 7.3137, 4.8436,
32.4480

■ 32.8328, 34.5546,
36.8378

■ 7.2085, 4.6796,
32.4219

■ 38.0836, 40.1176,
37.6348

■ 43.9087, 46.2206,
38.5058

■ 50.3251, 52.8781,
39.4527

■ 57.3492, 60.1040,
40.4772

Harmonies

Analogous

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



12.0328, 14.2868, 33.0220



14.5307, 14.2868, 33.8901



17.0605, 14.2868, 28.8146

Triad

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



14.5307, 14.2868, 33.8901



17.6458, 14.2868, 8.0361



9.4419, 14.2868, 11.3877

Complementary

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



14.5307, 14.2868, 33.8901



23.7779, 24.5379, 11.2683

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.



10.6069, 14.2868, 7.1540



14.5307, 14.2868, 33.8901



15.2527, 14.2868, 5.6814

Square

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



14.5307, 14.2868, 33.8901



19.0035, 14.2868, 13.0412



12.6701, 14.2868, 5.4193



9.2998, 14.2868, 18.3747

Rectangle

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



14.5307, 14.2868, 33.8901



18.3457, 14.2868, 23.4598



12.6701, 14.2868, 5.4193



9.7193, 14.2868, 9.6626

Sweetspot

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



14.5312, 14.2873, 33.8904



45.1677, 47.1825, 63.8533



19.6798, 27.5553, 26.4482



9.6312, 10.0454, 14.0017



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



14.5312, 14.2873, 33.8904



21.7958, 20.4996, 59.9348



13.7412, 10.7491, 33.2491



6.4472, 6.7601, 8.3717



5.8847, 3.8610, 26.3423



0.1408, 0.1402, 0.4829

Inverse Universe

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



19.3973, 14.0734, 15.0592



31.7820, 20.8731, 21.1069



24.8818, 30.5540, 12.3713



6.7151, 6.6789, 7.3506



11.7686, 6.0120, 3.0322



0.2284, 0.1147, 0.1488

Previews

White Background



This preview shows how the XYZ color 14.5307, 14.2868, 33.8901 looks on a white background.

Color Contrast Check

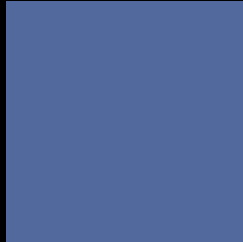
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.5307, 14.2868, 33.8901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

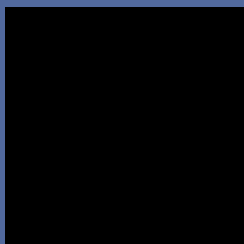
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

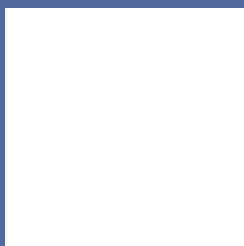
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.5307, 14.2868, 33.8901

Background



This preview shows how black text looks on a background with the XYZ color 14.5307, 14.2868, 33.8901.

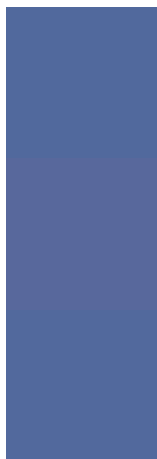


This preview shows how white text looks on a background with the XYZ color 14.5307, 14.2868,

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

14.5307, 14.2868, 33.8901

Protanopia

14.9756, 14.3756, 33.4380

Deuteranopia

14.6171, 14.3313, 33.8941



Tritanopia

11.7711, 14.2709, 20.2233

Trichromacy



Original Color

14.5307, 14.2868, 33.8901

Protanomaly

14.6974, 14.2322, 33.4249

Deuteranomaly

14.6171, 14.3313, 33.8941

Tritanomaly

12.5958, 14.1144, 24.6147

Monochromacy



Original Color

14.5307, 14.2868, 33.8901

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.3493, 13.8175, 20.7023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5307, 14.2868, 33.8901 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, 105, 157)` looks like.

```
.text, #text, p{  
    color:rgb(81, 105, 157)  
}
```

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, 105, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 105, 157) }
```

Border

The CSS property to change the border of an element to XYZ 14.5307, 14.2868, 33.8901 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, 105, 157) }
```


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

```
.border{ border-color:rgb(81, 105, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 105, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 105, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 105, 157);  
box-shadow:4px 4px 4px 4px rgb(81, 105,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 14.5307, 14.2868, 33.8901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 105, 157) }
```

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

```
.background{ background-color: rgb(81, 105,  
157) }
```

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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