

Converting Colors

XYZ(18.0157, 14.9347, 40.1830)

Have a look what the booklet for
XYZ(18.0157, 14.9347, 40.1830)
contains.

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Color

**XYZ(17.9301, 14.8889,
39.9590)**

Conversions

Conversions Part 1

Format	Color
Hex	6D62AA
RGB	109, 98, 170
RGB Percent	43%, 38%, 67%
CMY	0.5725, 0.6157, 0.3333
CMYK	0.36, 0.42, 0.00, 0.33
HSL	249°, 30%, 53%
HSV	249°, 42%, 67%
XYZ	17.9301, 14.8889, 39.9590
YIQ	109.4970, -16.5560, 24.7240

Conversions

Conversions Part 2

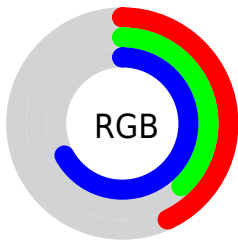
Format	Color
R_{YB}	109, 98, 170
Decimal	7168682
CIE _{Lab}	45.48, 21.75, -37.19
CIE _{LCh}	45, 43.083, 300.325
Yxy	14.8889, 0.2464, 0.2046
Android (android.graphics.Color)	4285358762 (0xFF6D62AA)
YUV	109.4970, 29.8280, -0.4359
Hunter-Lab	38.5861, 15.4191, -34.3892

Details

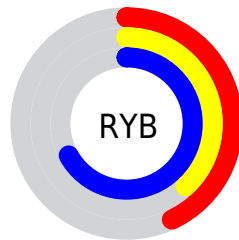
The XYZ color **17.9301, 14.8889, 39.9590** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.8775, 37.0024, 17.0705**, and the grayscale version is **14.5987, 15.3590, 16.7259**.

A 20% lighter version of the original color is **39.5792, 34.7724, 76.5772**, and **6.0821, 4.5219, 17.3819** is the 20% darker color. If you saturate the color by 10%, you get **14.8762, 11.1990, 39.4080**, and if you desaturate by 10%, it is **21.6132, 19.4052, 40.6369**.

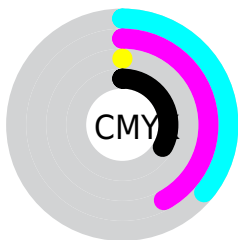
Distribution



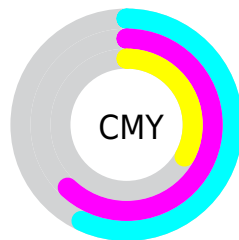
- Red (43%)
- Green (38%)
- Blue (67%)



- Red (43%)
- Yellow (38%)
- Blue (67%)



- Cyan (36%)
- Magenta (42%)
- Yellow (0%)
- Black (33%)



- Cyan (57%)
- Magenta (62%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9301, 14.8889, 39.9590 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 17.9301, 14.8889, 39.9590 by changing the saturation by 10% instead.

■ 17.9301, 14.8889,
39.9590

■ 17.9301, 14.8889,
39.9590

233.5300,
222.6928, 361.4977

■ 10.9992, 8.7414,
27.1930

■ 39.4492, 34.6582,
76.3375

■ 6.1336, 4.5729,
17.4845

■ 54.7681, 49.0488,
100.7871

■ 2.9679, 1.9989,
10.4150

■ 73.6137, 66.9559,
129.9683

■ 1.1368, 0.6069,
5.5658

■ 96.3514, 88.7639,
164.2997

■ 0.0556, 0.0000,
2.5184

123.3465,
114.8572, 204.1998

■ 0.0000, 0.0000,
0.8499

154.9644,

■ 0.0000, 0.0000,

145.6202, 250.0871

0.0000

191.5704,
181.4372, 302.3802

■ 17.9301, 14.8889,
39.9590

■ 17.9301, 14.8889,
39.9590

■ 14.8762, 11.1990,
39.4080

■ 21.6132, 19.4052,
40.6369

■ 12.4143, 8.2834,
38.9750

■ 25.9568, 24.7923,
41.4478

■ 10.5053, 6.0866,
38.6516

■ 30.9919, 31.0936,
42.3987

■ 9.1052, 4.5450,
38.4278

■ 36.7471, 38.3490,
43.4958

■ 8.1623, 3.5833,
38.2919

■ 43.2495, 46.5959,
44.7449

■ 7.6811, 3.1216,
38.2281

■ 50.5245, 55.8699,
46.1515

■ 58.5966, 66.2046,
47.7209

■ 67.4890, 77.6324,
49.4579

■ 77.2241, 90.1839,
51.3675

Harmonies

Analogous

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



14.1906, 14.8889, 45.0993



17.9301, 14.8889, 39.9590



21.0350, 14.8889, 28.0986

Triad

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



17.9301, 14.8889, 39.9590



17.8508, 14.8889, 4.3882



8.3109, 14.8889, 16.3238

Complementary

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



17.9301, 14.8889, 39.9590



30.8775, 37.0024, 17.0705

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.



8.9619, 14.8889, 8.2625



17.9301, 14.8889, 39.9590



14.1123, 14.8889, 3.3904

Square

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



17.9301, 14.8889, 39.9590



20.9841, 14.8889, 8.1392



10.9449, 14.8889, 4.4353



8.9908, 14.8889, 28.3797

Rectangle

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



17.9301, 14.8889, 39.9590



22.1038, 14.8889, 19.7655



10.9449, 14.8889, 4.4353



8.3799, 14.8889, 13.1113

Sweetspot

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



17.9307, 14.8895, 39.9594



55.3719, 55.3366, 76.7645



24.7257, 30.3645, 42.5882



11.8894, 11.7648, 17.0319



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.



17.9307, 14.8895, 39.9594



27.2054, 20.5758, 71.5395



23.2656, 17.6397, 40.2090



7.2346, 7.3535, 9.4564



5.6816, 2.3124, 28.1224



0.1689, 0.0721, 0.6857

Inverse Universe

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



27.2035, 19.7850, 35.1858



46.4823, 30.7674, 60.9698



24.7768, 33.8573, 16.7850



7.7919, 7.6466, 9.2214



15.9156, 7.7750, 20.1651



0.4001, 0.1943, 0.5584

Previews

White Background



This preview shows how the XYZ color 17.9301, 14.8889, 39.9590 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 17.9301, 14.8889, 39.9590 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 17.9301, 14.8889, 39.9590

Background



This preview shows how black text looks on a background with the XYZ color 17.9301, 14.8889, 39.9590.



This preview shows how white text looks on a background with the XYZ color 17.9301, 14.8889,

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

17.9301, 14.8889, 39.9590

Protanopia

16.2118, 14.9397, 43.6242

Deuteranopia

15.4109, 15.0888, 39.1460



Tritanopia

13.6684, 14.7867, 19.2733

Trichromacy



Original Color

17.9301, 14.8889, 39.9590

Protanomaly

16.6078, 14.7324, 42.0127

Deuteranomaly

16.1362, 14.8399, 39.5500

Tritanomaly

14.9338, 14.6760, 25.7126

Monochromacy



Original Color

17.9301, 14.8889, 39.9590

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.4550, 14.9931, 23.5521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9301, 14.8889, 39.9590 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(109, 98, 170)` looks like.

```
.text, #text, p{  
    color:rgb(109, 98, 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(109, 98, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 98, 170) }
```

Border

The CSS property to change the border of an element to XYZ 17.9301, 14.8889, 39.9590 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(109, 98, 170) }
```


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

```
.border{ border-color:rgb(109, 98, 170) }
```

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

Here you see how a box with a 4 pixel rgb(109, 98, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 98, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 98, 170);  
box-shadow:4px 4px 4px 4px rgb(109, 98,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9301, 14.8889, 39.9590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 98, 170) }
```

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

```
.background{ background-color: rgb(109, 98,  
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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