

Converting Colors

XYZ(16.9876, 14.6057, 30.7783)

Have a look what the booklet for
XYZ(16.9876, 14.6057, 30.7783)
contains.

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Color

**XYZ(16.9429, 14.5822,
30.7758)**

Conversions

Conversions Part 1

Format	Color
Hex	736296
RGB	115, 98, 150
RGB Percent	45%, 38%, 59%
CMY	0.5490, 0.6157, 0.4118
CMYK	0.23, 0.35, 0.00, 0.41
HSL	260°, 21%, 49%
HSV	260°, 35%, 59%
XYZ	16.9429, 14.5822, 30.7758
YIQ	109.0110, -6.5600, 19.7760

Conversions

Conversions Part 2

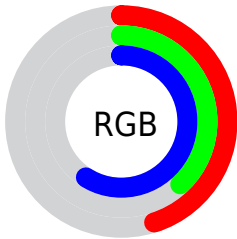
Format	Color
R_{YB}	115, 98, 150
Decimal	7561878
CIE _{Lab}	45.06, 18.22, -25.98
CIE _{LCh}	45, 31.737, 305.041
Yxy	14.5822, 0.2720, 0.2341
Android (android.graphics.Color)	4285751958 (0xFF736296)
YUV	109.0110, 20.2076, 5.2524
Hunter-Lab	38.1866, 12.3714, -21.0530

Details

The XYZ color **16.9429, 14.5822, 30.7758** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.7842, 27.6814, 15.6981**, and the grayscale version is **14.4852, 15.2395, 16.5959**.

A 20% lighter version of the original color is **37.7950, 34.1794, 61.7320**, and **5.6159, 4.3923, 12.3562** is the 20% darker color. If you saturate the color by 10%, you get **14.4131, 11.3864, 30.2925**, and if you desaturate by 10%, it is **19.8822, 18.3802, 31.3542**.

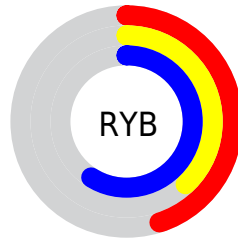
Distribution



Red (45%)

Green (38%)

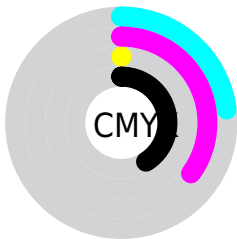
Blue (59%)



Red (45%)

Yellow (38%)

Blue (59%)

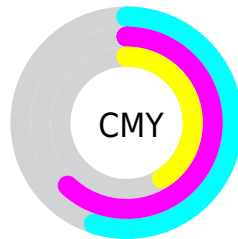


Cyan (23%)

Magenta (35%)

Yellow (0%)

Black (41%)



Cyan (55%)

Magenta (62%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9429, 14.5822, 30.7758 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 16.9429, 14.5822, 30.7758 by changing the saturation by 10% instead.

■ 16.9429, 14.5822,
30.7758

■ 16.9429, 14.5822,
30.7758

228.0058,
220.8233, 319.8232

■ 10.2888, 8.5267,
20.1712

■ 37.7720, 34.1185,
61.9624

■ 5.6546, 4.4338,
12.3342

■ 52.6777, 48.3682,
83.3813

■ 2.6749, 1.9190,
6.8464

■ 71.0646, 66.1180,
109.2422

■ 0.9843, 0.5598,
3.2892

■ 93.2982, 87.7523,
139.9634

■ 0.0000, 0.0000,
1.2442

119.7438,
113.6556, 175.9636

■ 0.0000, 0.0000,
0.0154

150.7666,

■ 0.0000, 0.0000,

144.2123, 217.6613

0.0000

186.7322,
179.8067, 265.4750

■ 16.9429, 14.5822,
30.7758

■ 16.9429, 14.5822,
30.7758

■ 14.4131, 11.3864,
30.2925

■ 19.8822, 18.3802,
31.3542

■ 12.2718, 8.7592,
29.8983

■ 23.2475, 22.8080,
32.0315

■ 10.4985, 6.6663,
29.5878

■ 27.0562, 27.8939,
32.8124

■ 9.0700, 5.0688,
29.3547

■ 31.3243, 33.6635,
33.7011

■ 7.9598, 3.9224,
29.1920

■ 36.0668, 40.1414,
34.7015

7.1361, 3.1718,
29.0905

41.2983, 47.3508,
35.8173

6.7735, 2.8559,
29.0486

47.0326, 55.3137,
37.0521

53.2828, 64.0515,
38.4093

60.0618, 73.5844,
39.8920

Harmonies

Analogous

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



14.3053, 14.5822, 34.9084



16.9429, 14.5822, 30.7758



18.9210, 14.5822, 22.7406

Triad

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



16.9429, 14.5822, 30.7758



16.0853, 14.5822, 6.0926



9.4411, 14.5822, 17.1732

Complementary

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



16.9429, 14.5822, 30.7758



22.7842, 27.6814, 15.6981

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.



9.7929, 14.5822, 10.5562



16.9429, 14.5822, 30.7758



13.4240, 14.5822, 5.4386

Square

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



16.9429, 14.5822, 30.7758



18.3839, 14.5822, 8.9772



11.1757, 14.5822, 6.7835



10.1466, 14.5822, 25.6324

Rectangle

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



16.9429, 14.5822, 30.7758



19.4796, 14.5822, 17.1514



11.1757, 14.5822, 6.7835



9.4406, 14.5822, 14.6684

Sweetspot

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



16.9434, 14.5828, 30.7761



43.9313, 44.1150, 57.1209



19.0032, 21.7206, 32.0453



9.5498, 9.5286, 12.6207



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.9434, 14.5828, 30.7761



26.2038, 21.0539, 53.6040



20.7672, 16.5540, 30.9551



5.6674, 5.7195, 7.2750



5.6487, 2.3846, 24.0936



0.0976, 0.0439, 0.2962

Inverse Universe

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



21.1794, 16.9134, 24.3392



35.0283, 25.9176, 39.8079



19.2391, 25.8538, 15.5322



5.9555, 5.8773, 6.8718



12.3935, 6.1624, 10.8188



0.1653, 0.0809, 0.2040

Previews

White Background



This preview shows how the XYZ color 16.9429, 14.5822, 30.7758 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 16.9429, 14.5822, 30.7758 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 16.9429, 14.5822, 30.7758

Background



This preview shows how black text looks on a background with the XYZ color 16.9429, 14.5822, 30.7758.



This preview shows how white text looks on a background with the XYZ color 16.9429, 14.5822,

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

16.9429, 14.5822, 30.7758

Protanopia

15.2688, 14.6771, 33.4807

Deuteranopia

14.9111, 14.5684, 30.0431



Tritanopia

14.2732, 14.5062, 17.9673

Trichromacy



Original Color

16.9429, 14.5822, 30.7758

Protanomaly

15.7297, 14.4885, 32.5394

Deuteranomaly

15.5430, 14.4394, 30.4016

Tritanomaly

15.1377, 14.4146, 22.0631

Monochromacy



Original Color

16.9429, 14.5822, 30.7758

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.2452, 14.9379, 21.1486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9429, 14.5822, 30.7758 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(115, 98, 150)` looks like.

```
.text, #text, p{  
    color:rgb(115, 98, 150)  
}
```

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(115, 98, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 98, 150) }
```

Border

The CSS property to change the border of an element to XYZ 16.9429, 14.5822, 30.7758 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(115, 98, 150) }
```


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

```
.border{ border-color:rgb(115, 98, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 98, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 98, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 98, 150);  
box-shadow:4px 4px 4px 4px rgb(115, 98,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9429, 14.5822, 30.7758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 98, 150) }
```

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

```
.background{ background-color: rgb(115, 98,  
150) }
```

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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