

Converting Colors

XYZ(16.4201, 14.5954, 30.8039)

Have a look what the booklet for
XYZ(16.4201, 14.5954, 30.8039)
contains.

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Color

**XYZ(16.3689, 14.5676,
30.8032)**

Conversions

Conversions Part 1

Format	Color
Hex	6D6496
RGB	109, 100, 150
RGB Percent	43%, 39%, 59%
CMY	0.5725, 0.6078, 0.4118
CMYK	0.27, 0.33, 0.00, 0.41
HSL	251°, 20%, 49%
HSV	251°, 33%, 59%
XYZ	16.3689, 14.5676, 30.8032
YIQ	108.3910, -10.6860, 17.4580

Conversions

Conversions Part 2

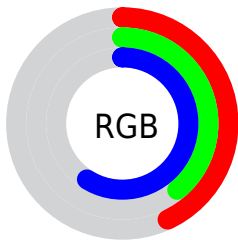
Format	Color
R_{YB}	109, 100, 150
Decimal	7169174
CIE Lab	45.04, 15.10, -26.06
CIE LCh	45, 30.115, 300.084
Yxy	14.5676, 0.2651, 0.2360
Android (android.graphics.Color)	4285359254 (0xFF6D6496)
YUV	108.3910, 20.5132, 0.5341
Hunter-Lab	38.1675, 9.7601, -21.1329

Details

The XYZ color **16.3689, 14.5676, 30.8032** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.1914, 28.3958, 16.2631**, and the grayscale version is **14.3104, 15.0557, 16.3956**.

A 20% lighter version of the original color is **36.8660, 34.1742, 61.7800**, and **5.3887, 4.4077, 12.3711** is the 20% darker color. If you saturate the color by 10%, you get **13.6518, 11.2244, 30.3014**, and if you desaturate by 10%, it is **19.5636, 18.5509, 31.4039**.

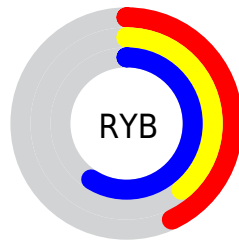
Distribution



Red (43%)

Green (39%)

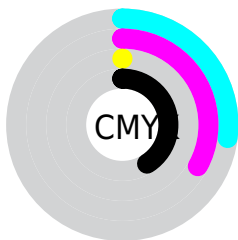
Blue (59%)



Red (43%)

Yellow (39%)

Blue (59%)

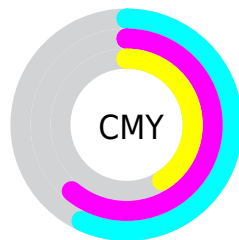


Cyan (27%)

Magenta (33%)

Yellow (0%)

Black (41%)



Cyan (57%)

Magenta (61%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3689, 14.5676, 30.8032 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 16.3689, 14.5676, 30.8032 by changing the saturation by 10% instead.

■ 16.3689, 14.5676,
30.8032

■ 16.3689, 14.5676,
30.8032

224.7366,
220.7339, 319.9537

■ 9.8781, 8.5165,
20.1918

■ 36.7898, 34.0928,
62.0060

■ 5.3798, 4.4272,
12.3491

■ 51.4505, 48.3357,
83.4346

■ 2.5088, 1.9153,
6.8565

■ 69.5652, 66.0780,
109.3059

■ 0.8997, 0.5575,
3.2954

■ 91.4994, 87.7040,
140.0386

■ 0.0000, 0.0000,
1.2474

117.6182,
113.5982, 176.0512

■ 0.0000, 0.0000,
0.0181

148.2871,

■ 0.0000, 0.0000,

144.1450, 217.7622

0.0000

183.8715,
179.7288, 265.5902

■ 16.3689, 14.5676,
30.8032

■ 16.3689, 14.5676,
30.8032

■ 13.6518, 11.2244,
30.3014

■ 19.5636, 18.5509,
31.4039

■ 11.3876, 8.4861,
29.8921

■ 23.2562, 23.2037,
32.1074

■ 9.5515, 6.3163,
29.5701

■ 27.4675, 28.5556,
32.9185

■ 8.1155, 4.6743,
29.3288

■ 32.2167, 34.6341,
33.8414

■ 7.0483, 3.5137,
29.1611

■ 37.5219, 41.4651,
34.8803

■ 6.3136, 2.7800,
29.0582

■ 43.4005, 49.0731,
36.0390

■ 5.9571, 2.4350,
29.0104

■ 49.8691, 57.4817,
37.3211

■ 56.9436, 66.7133,
38.7301

■ 64.6393, 76.7895,
40.2694

Harmonies

Analogous

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



13.8531, 14.5676, 33.7477



16.3689, 14.5676, 30.8032



18.3898, 14.5676, 23.6684

Triad

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



16.3689, 14.5676, 30.8032



16.3554, 14.5676, 6.7442



9.6148, 14.5676, 15.8817

Complementary

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



16.3689, 14.5676, 30.8032



24.1914, 28.3958, 16.2631

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.



10.1202, 14.5676, 9.9934



16.3689, 14.5676, 30.8032



13.8391, 14.5676, 5.7694

Square

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



16.3689, 14.5676, 30.8032



18.3813, 14.5676, 9.9680



11.5968, 14.5676, 6.7555



10.1258, 14.5676, 23.7137

Rectangle

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



16.3689, 14.5676, 30.8032



19.0778, 14.5676, 18.3240



11.5968, 14.5676, 6.7555



9.6706, 14.5676, 13.6304

Sweetspot

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



16.3694, 14.5682, 30.8035



43.2716, 43.7749, 57.0900



20.3844, 24.1587, 32.4431



9.3876, 9.4450, 12.6131



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.



16.3694, 14.5682, 30.8035



25.2347, 21.2058, 53.6844



19.7882, 16.3306, 30.9635



5.5911, 5.6802, 7.2714



4.9614, 2.0303, 24.0614



0.0789, 0.0342, 0.2953

Inverse Universe

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



21.9429, 17.5220, 27.4251



36.6971, 27.2873, 46.4307



20.4984, 26.4920, 16.0903



5.9910, 5.8915, 7.0587



13.4074, 6.5680, 16.1584



0.1735, 0.0841, 0.2473

Previews

White Background



This preview shows how the XYZ color 16.3689, 14.5676, 30.8032 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 16.3689, 14.5676, 30.8032 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 16.3689, 14.5676, 30.8032

Background



This preview shows how black text looks on a background with the XYZ color 16.3689, 14.5676, 30.8032.

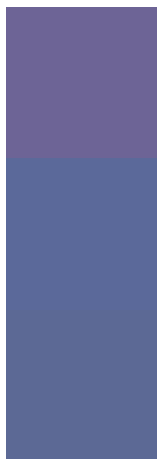


This preview shows how white text looks on a background with the XYZ color 16.3689, 14.5676,

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

16.3689, 14.5676, 30.8032

Protanopia

15.1987, 14.6604, 32.6005

Deuteranopia

14.8900, 14.5484, 30.4571



Tritanopia

13.8317, 14.5780, 18.3045

Trichromacy



Original Color

16.3689, 14.5676, 30.8032

Protanomaly

15.6370, 14.5971, 32.1303

Deuteranomaly

15.3121, 14.4671, 30.4192

Tritanomaly

14.6723, 14.4624, 22.4403

Monochromacy



Original Color

16.3689, 14.5676, 30.8032

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.8111, 14.7214, 20.7998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3689, 14.5676, 30.8032 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, 100, 150)` looks like.

```
.text, #text, p{  
    color:rgb(109, 100, 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(109, 100, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 100, 150) }
```

Border

The CSS property to change the border of an element to XYZ 16.3689, 14.5676, 30.8032 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, 100, 150) }
```


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

```
.border{ border-color:rgb(109, 100, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 100, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 100, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 100, 150);  
box-shadow:4px 4px 4px 4px rgb(109, 100,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3689, 14.5676, 30.8032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 100, 150) }
```

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

```
.background{ background-color: rgb(109,  
100, 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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