

Converting Colors

XYZ(16.3848, 13.5137, 36.5060)

Have a look what the booklet for
XYZ(16.3848, 13.5137, 36.5060)
contains.

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Color

**XYZ(16.3509, 13.4763,
36.3897)**

Conversions

Conversions Part 1

Format	Color
Hex	695DA3
RGB	105, 93, 163
RGB Percent	41%, 36%, 64%
CMY	0.5882, 0.6353, 0.3608
CMYK	0.36, 0.43, 0.00, 0.36
HSL	250°, 28%, 50%
HSV	250°, 43%, 64%
XYZ	16.3509, 13.4763, 36.3897
YIQ	104.5680, -15.3180, 24.3140

Conversions

Conversions Part 2

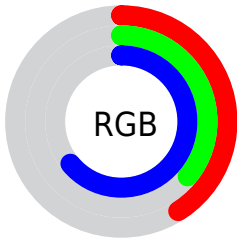
Format	Color
R _{YB}	105, 93, 163
Decimal	6905251
CIE _{Lab}	43.47, 21.73, -36.26
CIE _{LCh}	43, 42.271, 300.942
Yxy	13.4763, 0.2469, 0.2035
Android (android.graphics.Color)	4285095331 (0xFF695DA3)
YUV	104.5680, 28.8070, 0.3789
Hunter-Lab	36.7101, 15.2624, -33.0755

Details

The XYZ color **16.3509, 13.4763, 36.3897** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.8356, 33.5642, 15.3678**, and the grayscale version is **13.2389, 13.9283, 15.1679**.

A 20% lighter version of the original color is **36.5779, 31.9760, 70.5738**, and **5.4071, 3.9650, 15.5193** is the 20% darker color. If you saturate the color by 10%, you get **13.6075, 10.1600, 35.8944**, and if you desaturate by 10%, it is **19.6522, 17.5334, 36.9991**.

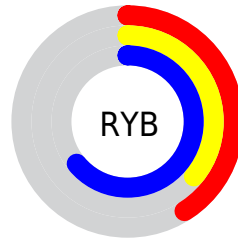
Distribution



Red (41%)

Green (36%)

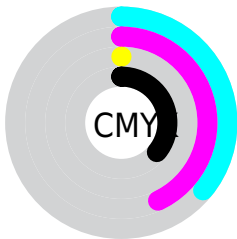
Blue (64%)



Red (41%)

Yellow (36%)

Blue (64%)

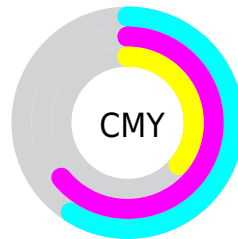


Cyan (36%)

Magenta (43%)

Yellow (0%)

Black (36%)



Cyan (59%)

Magenta (64%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3509, 13.4763, 36.3897 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 16.3509, 13.4763, 36.3897 by changing the saturation by 10% instead.

■ 16.3509, 13.4763,
36.3897

■ 16.3509, 13.4763,
36.3897

224.6334,
213.9481, 345.7494

■ 9.8652, 7.7573,
24.4432

■ 36.7589, 32.1569,
70.8089

■ 5.3713, 3.9401,
15.4475

■ 51.4119, 45.8873,
94.1188

■ 2.5037, 1.6401,
8.9840

■ 69.5180, 63.0569,
122.0535

■ 0.8971, 0.3844,
4.6340

■ 91.4427, 84.0502,
155.0317

■ 0.0000, 0.0000,
1.9792

117.5512,
109.2516, 193.4719

■ 0.0000, 0.0000,
0.5425

148.2089,

■ 0.0000, 0.0000,

139.0455, 237.7925

0.0000

183.7812,
173.8161, 288.4122

■ 16.3509, 13.4763,
36.3897

■ 16.3509, 13.4763,
36.3897

■ 13.6075, 10.1600,
35.8944

■ 19.6522, 17.5334,
36.9991

■ 11.3891, 7.5377,
35.5052

■ 23.5388, 22.3711,
37.7280

■ 9.6615, 5.5597,
35.2145

■ 28.0381, 28.0282,
38.5828

■ 8.3857, 4.1688,
35.0132

■ 33.1752, 34.5405,
39.5690

■ 7.5165, 3.2975,
34.8909

■ 38.9740, 41.9416,
40.6919

■ 7.0883, 2.8905,
34.8349

■ 45.4570, 50.2633,
41.9565

■ 52.6456, 59.5358,
43.3674

■ 60.5603, 69.7881,
44.9291

■ 69.2210, 81.0476,
46.6460

Harmonies

Analogous

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



12.9133, 13.4763, 41.3246



16.3509, 13.4763, 36.3897



19.1844, 13.4763, 25.3698

Triad

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



16.3509, 13.4763, 36.3897



16.1394, 13.4763, 3.8401



7.4604, 13.4763, 14.9739

Complementary

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



16.3509, 13.4763, 36.3897



27.8356, 33.5642, 15.3678

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.



8.0300, 13.4763, 7.5065



16.3509, 13.4763, 36.3897



12.7049, 13.4763, 2.9802

Square

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



16.3509, 13.4763, 36.3897



19.0483, 13.4763, 7.1807



9.8192, 13.4763, 3.9635



8.1065, 13.4763, 26.1217

Rectangle

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



16.3509, 13.4763, 36.3897



20.1405, 13.4763, 17.7197



9.8192, 13.4763, 3.9635



7.5151, 13.4763, 11.9979

Sweetspot

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



16.3514, 13.4768, 36.3900



49.9579, 49.8731, 69.0495



22.2457, 27.2125, 38.7306



10.8165, 10.6919, 15.4312



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



16.3514, 13.4768, 36.3900



24.3607, 18.1846, 64.2822



21.2847, 16.0200, 36.6209



6.8084, 6.9156, 8.8791



5.5368, 2.2608, 27.0743



0.1463, 0.0629, 0.5703

Inverse Universe

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



24.6048, 17.8500, 31.4266



41.3632, 27.2083, 53.3960



22.3202, 30.7209, 15.1097



7.3120, 7.1812, 8.6292



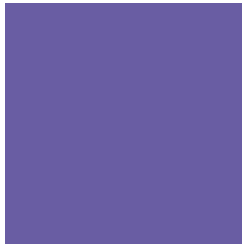
15.1552, 7.4181, 18.5398



0.3314, 0.1611, 0.4577

Previews

White Background



This preview shows how the XYZ color 16.3509, 13.4763, 36.3897 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 16.3509, 13.4763, 36.3897 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 16.3509, 13.4763, 36.3897

Background



This preview shows how black text looks on a background with the XYZ color 16.3509, 13.4763, 36.3897.



This preview shows how white text looks on a background with the XYZ color 16.3509, 13.4763,

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

16.3509, 13.4763, 36.3897

Protanopia

14.7145, 13.5125, 39.8628

Deuteranopia

13.9558, 13.6514, 35.6177



Tritanopia

12.4910, 13.4502, 17.2670

Trichromacy



Original Color

16.3509, 13.4763, 36.3897

Protanomaly

15.0875, 13.3178, 38.3346

Deuteranomaly

14.6396, 13.4171, 36.0006

Tritanomaly

13.6909, 13.3497, 23.3279

Monochromacy



Original Color

16.3509, 13.4763, 36.3897

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.2453, 13.8170, 21.6548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3509, 13.4763, 36.3897 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(105, 93, 163)` looks like.

```
.text, #text, p{  
    color:rgb(105, 93, 163)  
}
```

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(105, 93, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 93, 163) }
```

Border

The CSS property to change the border of an element to XYZ 16.3509, 13.4763, 36.3897 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(105, 93, 163) }
```


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

```
.border{ border-color:rgb(105, 93, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 93, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 93, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 93, 163); box-shadow:4px 4px 4px 4px rgb(105, 93, 163) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3509, 13.4763, 36.3897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 93, 163) }
```

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

```
.background{ background-color: rgb(105, 93,  
163) }
```

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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