

Converting Colors

XYZ(16.0878, 15.7883, 41.9379)

Have a look what the booklet for
XYZ(16.0878, 15.7883, 41.9379)
contains.

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Color

**XYZ(16.1289, 15.8819,
41.7506)**

Conversions

Conversions Part 1

Format	Color
Hex	4B6FAD
RGB	75, 111, 173
RGB Percent	29%, 44%, 68%
CMY	0.7059, 0.5647, 0.3216
CMYK	0.57, 0.36, 0.00, 0.32
HSL	218°, 40%, 49%
HSV	218°, 57%, 68%
XYZ	16.1289, 15.8819, 41.7506
YIQ	107.3040, -41.3580, 11.6500

Conversions

Conversions Part 2

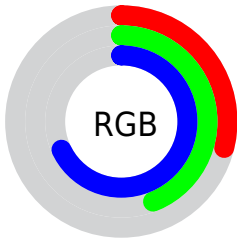
Format	Color
R _Y B	75, 101, 173
Decimal	4943789
CIE Lab	46.82, 6.04, -36.99
CIE LCh	47, 37.481, 279.280
Yxy	15.8819, 0.2187, 0.2153
Android (android.graphics.Color)	4283133869 (0xFF4B6FAD)
YUV	107.3040, 32.3881, -28.3306
Hunter-Lab	39.8521, 2.5012, -34.2180

Details

The XYZ color **16.1289, 15.8819, 41.7506** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **27.4500, 27.2846, 10.4770**, and the grayscale version is **13.9811, 14.7093, 16.0184**.

A 20% lighter version of the original color is **36.2691, 36.2436, 79.2129**, and **5.2611, 5.0422, 18.4653** is the 20% darker color. If you saturate the color by 10%, you get **13.8333, 13.0331, 41.3220**, and if you desaturate by 10%, it is **18.9400, 19.2142, 42.2460**.

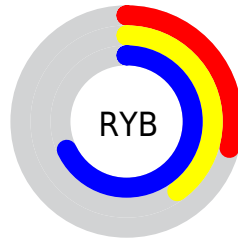
Distribution



Red (29%)

Green (44%)

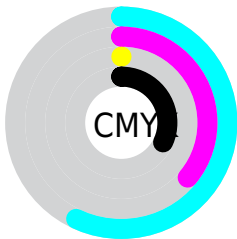
Blue (68%)



Red (29%)

Yellow (40%)

Blue (68%)

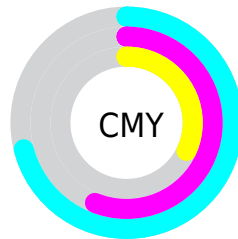


Cyan (57%)

Magenta (36%)

Yellow (0%)

Black (32%)



Cyan (71%)

Magenta (56%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1289, 15.8819, 41.7506 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 16.1289, 15.8819, 41.7506 by changing the saturation by 10% instead.

■ 16.1289, 15.8819,
41.7506

■ 16.1289, 15.8819,
41.7506

223.3566,
228.6438, 369.2172

■ 9.7068, 9.4406,
28.5819

■ 36.3775, 36.3931,
79.0880

■ 5.2658, 5.0297,
18.5219

■ 50.9347, 51.2317,
104.0939

■ 2.4404, 2.2647,
11.1521

■ 68.9344, 69.6383,
133.8826

■ 0.8653, 0.7549,
6.0537

■ 90.7418, 91.9972,
168.8726

■ 0.0000, 0.0000,
2.8085

■ 116.7224,
118.6928, 209.4826

■ 0.0000, 0.0000,
0.9977

147.2415,

■ 0.0000, 0.0000,

150.1095, 256.1309

0.0000

182.6644,
186.6317, 309.2363

■ 16.1289, 15.8819,
41.7506

■ 16.1289, 15.8819,
41.7506

■ 13.8333, 13.0331,
41.3220

■ 18.9400, 19.2142,
42.2460

■ 12.0154, 10.6397,
40.9559

■ 22.2969, 23.0523,
42.8099

■ 10.6349, 8.6730,
40.6490

■ 26.2297, 27.4191,
43.4455

■ 9.6359, 7.0953,
40.3972

■ 30.7654, 32.3352,
44.1553

■ 9.3510, 6.6333,
40.3230

■ 35.9294, 37.8202,
44.9418

■ 41.7457, 43.8927,
45.8074

■ 48.2367, 50.5703,
46.7542

■ 55.4240, 57.8699,
47.7843

■ 63.3280, 65.8076,
48.8999

Harmonies

Analogous

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



12.9843, 15.8819, 40.1058



16.1289, 15.8819, 41.7506



19.4220, 15.8819, 35.2441

Triad

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



16.1289, 15.8819, 41.7506



20.4860, 15.8819, 8.2349



9.9584, 15.8819, 11.6869

Complementary

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



16.1289, 15.8819, 41.7506



27.4500, 27.2846, 10.4770

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.



11.4642, 15.8819, 6.7862



16.1289, 15.8819, 41.7506



17.4235, 15.8819, 5.3497

Square

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



16.1289, 15.8819, 41.7506



22.1655, 15.8819, 14.5561



14.1068, 15.8819, 4.9371



9.7154, 15.8819, 20.3524

Rectangle

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



16.1289, 15.8819, 41.7506



21.1510, 15.8819, 28.1805



14.1068, 15.8819, 4.9371



10.3221, 15.8819, 9.6474

Sweetspot

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



16.1295, 15.8824, 41.7510



54.5356, 57.3057, 78.9925



22.2496, 33.1450, 28.3077



11.4969, 12.0719, 17.1118



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.



16.1295, 15.8824, 41.7510



23.8681, 22.1759, 73.8282



13.9374, 10.0491, 40.7406



7.8108, 8.2210, 10.1278



6.9202, 4.9742, 29.6399



0.2457, 0.2447, 0.8423

Inverse Universe

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



22.6194, 15.0648, 16.7551



37.0567, 22.0761, 22.6820



31.0265, 38.0316, 12.3629



8.1223, 8.0622, 8.9549



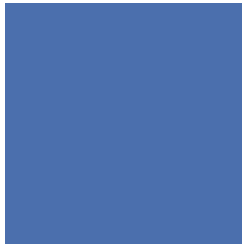
13.3566, 6.8052, 4.2575



0.3984, 0.2000, 0.2597

Previews

White Background



This preview shows how the XYZ color 16.1289, 15.8819, 41.7506 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 16.1289, 15.8819, 41.7506 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

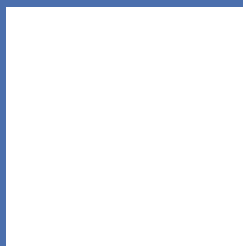
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.1289, 15.8819, 41.7506

Background



This preview shows how black text looks on a background with the XYZ color 16.1289, 15.8819, 41.7506.

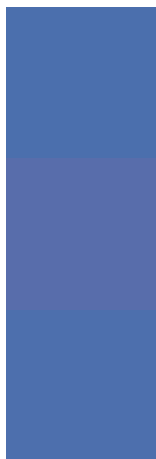


This preview shows how white text looks on a background with the XYZ color 16.1289, 15.8819,

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

16.1289, 15.8819, 41.7506

Protanopia

16.8438, 15.9523, 40.7194

Deuteranopia

16.2878, 15.9638, 41.7580



Tritanopia

12.4907, 15.9442, 23.5383

Trichromacy



Original Color

16.1289, 15.8819, 41.7506

Protanomaly

16.5896, 15.9694, 41.2378

Deuteranomaly

16.2078, 15.9225, 41.7543

Tritanomaly

13.6639, 15.8879, 29.5406

Monochromacy



Original Color

16.1289, 15.8819, 41.7506

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.1786, 14.7967, 23.5815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1289, 15.8819, 41.7506 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(75, 111, 173)` looks like.

```
.text, #text, p{  
    color:rgb(75, 111, 173)  
}
```

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(75, 111, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 111, 173) }
```

Border

The CSS property to change the border of an element to XYZ 16.1289, 15.8819, 41.7506 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(75, 111, 173) }
```


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

```
.border{ border-color:rgb(75, 111, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 111, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 111, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 111, 173);  
box-shadow:4px 4px 4px 4px rgb(75, 111,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1289, 15.8819, 41.7506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 111, 173) }
```

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

```
.background{ background-color: rgb(75, 111,  
173) }
```

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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