

Converting Colors

XYZ(16.0905, 14.0502, 32.4364)

Have a look what the booklet for
XYZ(16.0905, 14.0502, 32.4364)
contains.

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Color

**XYZ(16.1443, 14.1326,
32.4488)**

Conversions

Conversions Part 1

Format	Color
Hex	6A629A
RGB	106, 98, 154
RGB Percent	42%, 38%, 60%
CMY	0.5843, 0.6157, 0.3961
CMYK	0.31, 0.36, 0.00, 0.40
HSL	249°, 22%, 49%
HSV	249°, 36%, 60%
XYZ	16.1443, 14.1326, 32.4488
YIQ	106.7760, -13.2080, 19.1120

Conversions

Conversions Part 2

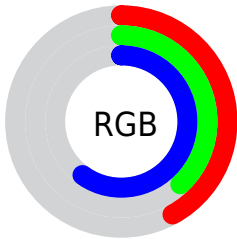
Format	Color
RYB	106, 98, 154
Decimal	6972058
CIELab	44.42, 16.46, -29.41
CIELCh	44, 33.708, 299.236
Yxy	14.1326, 0.2574, 0.2253
Android (android.graphics.Color)	4285162138 (0xFF6A629A)
YUV	106.7760, 23.2814, -0.6806
Hunter-Lab	37.5934, 10.8677, -24.8610

Details

The XYZ color **16.1443, 14.1326, 32.4488** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.6144, 30.1042, 16.0164**, and the grayscale version is **13.8538, 14.5753, 15.8725**.

A 20% lighter version of the original color is **36.5541, 33.4693, 64.8552**, and **5.3071, 4.2760, 13.3776** is the 20% darker color. If you saturate the color by 10%, you get **13.3899, 10.7757, 31.9463**, and if you desaturate by 10%, it is **19.4184, 18.1695, 33.0557**.

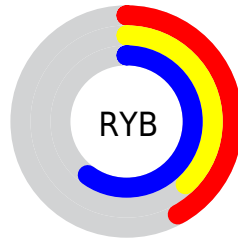
Distribution



Red (42%)

Green (38%)

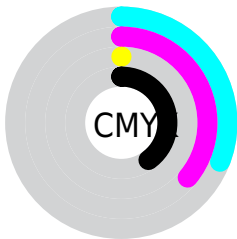
Blue (60%)



Red (42%)

Yellow (38%)

Blue (60%)

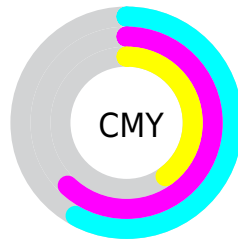


Cyan (31%)

Magenta (36%)

Yellow (0%)

Black (40%)



Cyan (58%)

Magenta (62%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1443, 14.1326, 32.4488 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 16.1443, 14.1326, 32.4488 by changing the saturation by 10% instead.

■ 16.1443, 14.1326,
32.4488

■ 16.1443, 14.1326,
32.4488

223.4454,
218.0542, 327.7141

■ 9.7178, 8.2129,
21.4369

■ 36.4040, 33.3241,
64.6201

■ 5.2731, 4.2315,
13.2494

■ 50.9678, 47.3648,
86.6165

■ 2.4448, 1.8039,
7.4677

■ 68.9749, 64.8812,
113.1115

■ 0.8675, 0.4896,
3.6735

■ 90.7905, 86.2579,
144.5236

■ 0.0000, 0.0000,
1.4480

116.7800,
111.8791, 181.2714

■ 0.0000, 0.0000,
0.1787

147.3088,

■ 0.0000, 0.0000,

142.1293, 223.7734

0.0000

182.7421,
177.3929, 272.4481

■ 16.1443, 14.1326,
32.4488

■ 16.1443, 14.1326,
32.4488

■ 13.3899, 10.7757,
31.9463

■ 19.4184, 18.1695,
33.0557

■ 11.1268, 8.0597,
31.5413

■ 23.2357, 22.9195,
33.7713

■ 9.3260, 5.9437,
31.2278

■ 27.6201, 28.4154,
34.6011

■ 7.9548, 4.3817,
30.9986

■ 32.5935, 34.6876,
35.5496

■ 6.9762, 3.3207,
30.8454

■ 38.1767, 41.7647,
36.6213

■ 6.3404, 2.6851,
30.7562

■ 44.3896, 49.6738,
37.8205

■ 6.1637, 2.5037,
30.7305

■ 51.2510, 58.4409,
39.1511

■ 58.7791, 68.0906,
40.6169

■ 66.9911, 78.6469,
42.2217

Harmonies

Analogous

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



13.3631, 14.1326, 35.6769



16.1443, 14.1326, 32.4488



18.4311, 14.1326, 24.3627

Triad

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



16.1443, 14.1326, 32.4488



16.2809, 14.1326, 5.7908



8.8633, 14.1326, 15.1896

Complementary

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



16.1443, 14.1326, 32.4488



25.6144, 30.1042, 16.0164

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.



9.4309, 14.1326, 8.9424



16.1443, 14.1326, 32.4488



13.5023, 14.1326, 4.7634

Square

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



16.1443, 14.1326, 32.4488



18.5172, 14.1326, 9.1849



11.0430, 14.1326, 5.6876



9.3761, 14.1326, 23.8968

Rectangle

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



16.1443, 14.1326, 32.4488



19.2355, 14.1326, 18.3498



11.0430, 14.1326, 5.6876



8.9327, 14.1326, 12.7634

Sweetspot

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



16.1448, 14.1331, 32.4491



46.1734, 46.5958, 62.0966



21.2314, 25.6527, 34.4045



10.2275, 10.2665, 14.0130



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.1448, 14.1331, 32.4491



25.0070, 20.4025, 58.1564



19.9475, 16.0935, 32.6271



5.9625, 6.0666, 7.7857



5.0414, 2.0500, 25.0377



0.0938, 0.0402, 0.3752

Inverse Universe

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



22.8827, 17.6811, 29.4007



39.2548, 27.9131, 51.3411



21.3044, 27.8823, 15.8147



6.4233, 6.3085, 7.6090



14.2604, 6.9584, 18.4282



0.2223, 0.1077, 0.3235

Previews

White Background



This preview shows how the XYZ color 16.1443, 14.1326, 32.4488 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 16.1443, 14.1326, 32.4488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

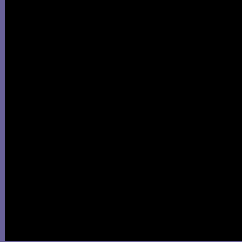
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.1443, 14.1326, 32.4488

Background



This preview shows how black text looks on a background with the XYZ color 16.1443, 14.1326, 32.4488.

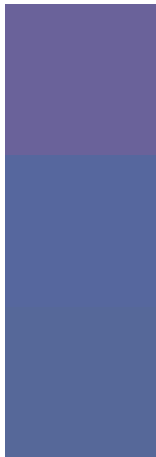


This preview shows how white text looks on a background with the XYZ color 16.1443, 14.1326,

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

16.1443, 14.1326, 32.4488

Protanopia

14.8596, 14.1476, 34.2953

Deuteranopia

14.5378, 14.1790, 32.1076



Tritanopia

13.2855, 14.1425, 18.2492

Trichromacy



Original Color

16.1443, 14.1326, 32.4488

Protanomaly

15.2537, 14.0688, 33.8099

Deuteranomaly

15.0153, 14.1298, 32.0729

Tritanomaly

14.1795, 14.0522, 22.7339

Monochromacy



Original Color

16.1443, 14.1326, 32.4488

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.6518, 14.4817, 21.0918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1443, 14.1326, 32.4488 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(106, 98, 154)` looks like.

```
.text, #text, p{  
    color:rgb(106, 98, 154)  
}
```

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(106, 98, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 98, 154) }
```

Border

The CSS property to change the border of an element to XYZ 16.1443, 14.1326, 32.4488 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(106, 98, 154) }
```


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

```
.border{ border-color:rgb(106, 98, 154) }
```

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

Here you see how a box with a 4 pixel rgb(106, 98, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 98, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 98, 154);  
box-shadow:4px 4px 4px 4px rgb(106, 98,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1443, 14.1326, 32.4488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 98, 154) }
```

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

```
.background{ background-color: rgb(106, 98,  
154) }
```

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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