

Converting Colors

XYZ(16.6634, 16.0329, 42.8123)

Have a look what the booklet for
XYZ(16.6634, 16.0329, 42.8123)
contains.

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Color

**XYZ(16.6221, 15.9525,
42.7605)**

Conversions

Conversions Part 1

Format	Color
Hex	506EAF
RGB	80, 110, 175
RGB Percent	31%, 43%, 69%
CMY	0.6863, 0.5686, 0.3137
CMYK	0.54, 0.37, 0.00, 0.31
HSL	221°, 37%, 50%
HSV	221°, 54%, 69%
XYZ	16.6221, 15.9525, 42.7605
YIQ	108.4400, -38.7450, 13.8550

Conversions

Conversions Part 2

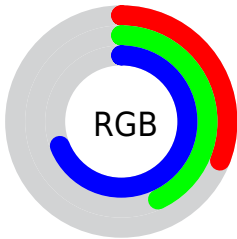
Format	Color
R _Y B	80, 103, 175
Decimal	5271215
CIE Lab	46.91, 8.44, -37.99
CIE LCh	47, 38.918, 282.520
Yxy	15.9525, 0.2206, 0.2118
Android (android.graphics.Color)	4283461295 (0xFF506EAF)
YUV	108.4400, 32.8141, -24.9419
Hunter-Lab	39.9406, 4.3905, -35.5176

Details

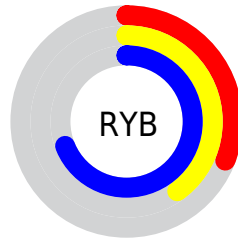
The XYZ color **16.6221, 15.9525, 42.7605** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **29.2535, 29.9453, 11.8286**, and the grayscale version is **14.2965, 15.0410, 16.3796**.

A 20% lighter version of the original color is **37.1603, 36.4102, 80.6706**, and **5.5040, 5.0703, 19.1009** is the 20% darker color. If you saturate the color by 10%, you get **14.1266, 12.8762, 42.2986**, and if you desaturate by 10%, it is **19.6782, 19.5775, 43.2994**.

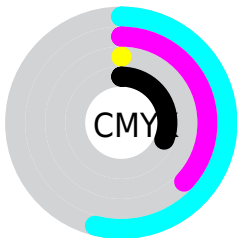
Distribution



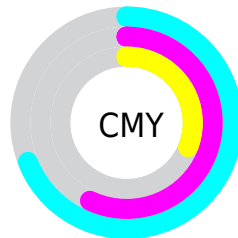
- Red (31%)
- Green (43%)
- Blue (69%)



- Red (31%)
- Yellow (40%)
- Blue (69%)



- Cyan (54%)
- Magenta (37%)
- Yellow (0%)
- Black (31%)



- Cyan (69%)
- Magenta (57%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6221, 15.9525, 42.7605 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 16.6221, 15.9525, 42.7605 by changing the saturation by 10% instead.

■ 16.6221, 15.9525,
42.7605

■ 16.6221, 15.9525,
42.7605

226.1841,
229.0613, 373.5181

■ 10.0591, 9.4905,
29.3672

■ 37.2237, 36.5157,
80.6318

■ 5.5007, 5.0625,
19.1108

■ 51.9929, 51.3858,
105.9469

■ 2.5817, 2.2840,
11.5728

■ 70.2283, 69.8273,
136.0731

■ 0.9366, 0.7652,
6.3345

■ 92.2951, 92.2248,
171.4288

■ 0.0000, 0.0000,
2.9775

■ 118.5587,
118.9625, 212.4326

■ 0.0000, 0.0000,
1.0831

149.3845,

■ 0.0000, 0.0000,

150.4249, 259.5031

0.0000

185.1379,
186.9963, 313.0587

■ 16.6221, 15.9525,
42.7605

■ 16.6221, 15.9525,
42.7605

■ 14.1266, 12.8762,
42.2986

■ 19.6782, 19.5775,
43.2994

■ 12.1524, 10.3173,
41.9087

■ 23.3270, 23.7767,
43.9177

■ 10.6575, 8.2433,
41.5872

■ 27.6000, 28.5758,
44.6188

■ 9.5915, 6.6164,
41.3293

■ 32.5260, 33.9986,
45.4058

■ 9.1165, 5.8523,
41.2069

■ 38.1320, 40.0673,
46.2818

■ 44.4433, 46.8031,
47.2492

■ 51.4839, 54.2260,
48.3109

■ 59.2766, 62.3554,
49.4693

■ 67.8435, 71.2097,
50.7269

Harmonies

Analogous

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



13.2848, 15.9525, 42.0017



16.6221, 15.9525, 42.7605



20.0163, 15.9525, 35.1146

Triad

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



16.6221, 15.9525, 42.7605



20.5008, 15.9525, 7.5500



9.7491, 15.9525, 12.3373

Complementary

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



16.6221, 15.9525, 42.7605



29.2535, 29.9453, 11.8286

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.



11.1644, 15.9525, 6.9125



16.6221, 15.9525, 42.7605



17.2090, 15.9525, 4.9433

Square

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



16.6221, 15.9525, 42.7605



22.4699, 15.9525, 13.6235



13.7907, 15.9525, 4.7644



9.6406, 15.9525, 21.7461

Rectangle

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



16.6221, 15.9525, 42.7605



21.7228, 15.9525, 27.5037



13.7907, 15.9525, 4.7644



10.0768, 15.9525, 10.0920

Sweetspot

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



16.6227, 15.9531, 42.7609



56.3981, 58.8627, 81.0260



23.7433, 34.4077, 32.1451



12.1301, 12.6386, 17.9445



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



16.6227, 15.9531, 42.7609



24.5814, 22.1494, 75.6165



15.5817, 11.3978, 41.9365



7.7776, 8.1546, 10.1168



6.5782, 4.2904, 29.5259



0.2328, 0.2190, 0.8380

Inverse Universe

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



23.3629, 15.9779, 16.6050



38.2568, 23.4840, 22.2598



30.7972, 38.4665, 13.3920



8.1056, 8.0555, 8.8666



13.1840, 6.7362, 3.3486



0.3919, 0.1974, 0.2256

Previews

White Background



This preview shows how the XYZ color 16.6221, 15.9525, 42.7605 looks on a white background.

Color Contrast Check

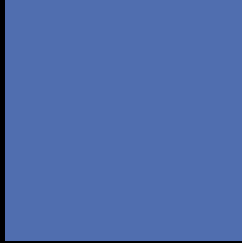
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.6221, 15.9525, 42.7605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

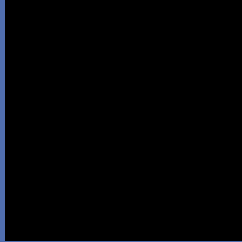
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

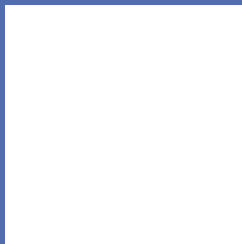
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.6221, 15.9525, 42.7605

Background



This preview shows how black text looks on a background with the XYZ color 16.6221, 15.9525, 42.7605.



This preview shows how white text looks on a background with the XYZ color 16.6221, 15.9525,

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

16.6221, 15.9525, 42.7605

Protanopia

17.0391, 16.0195, 42.2384

Deuteranopia

16.4028, 16.0005, 42.7813



Tritanopia

12.6092, 15.8354, 23.1608

Trichromacy



Original Color

16.6221, 15.9525, 42.7605

Protanomaly

16.7648, 15.8781, 42.2256

Deuteranomaly

16.4829, 16.0418, 42.7851

Tritanomaly

13.8879, 15.8313, 29.5179

Monochromacy



Original Color

16.6221, 15.9525, 42.7605

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.6705, 15.1999, 23.9904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6221, 15.9525, 42.7605 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(80, 110, 175)` looks like.

```
.text, #text, p{  
    color:rgb(80, 110, 175)  
}
```

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(80, 110, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 110, 175) }
```

Border

The CSS property to change the border of an element to XYZ 16.6221, 15.9525, 42.7605 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(80, 110, 175) }
```


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

```
.border{ border-color:rgb(80, 110, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 110, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 110, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 110, 175);  
box-shadow:4px 4px 4px 4px rgb(80, 110,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6221, 15.9525, 42.7605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 110, 175) }
```

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

```
.background{ background-color: rgb(80, 110,  
175) }
```

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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