

Converting Colors

XYZ(16.9522, 13.2280, 42.7013)

Have a look what the booklet for
XYZ(16.9522, 13.2280, 42.7013)
contains.

XYZ(16.9721, 13.2717, 42.7415)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.9721, 13.2717,
42.7415)**

Conversions

Conversions Part 1

Format	Color
Hex	665AB0
RGB	102, 90, 176
RGB Percent	40%, 35%, 69%
CMY	0.6000, 0.6471, 0.3098
CMYK	0.42, 0.49, 0.00, 0.31
HSL	248°, 35%, 52%
HSV	248°, 49%, 69%
XYZ	16.9721, 13.2717, 42.7415
YIQ	103.3920, -20.4540, 29.2900

Conversions

Conversions Part 2

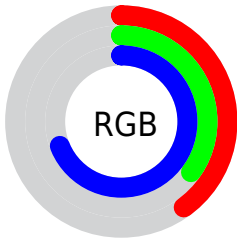
Format	Color
R_{YB}	102, 90, 176
Decimal	6707888
CIE _{Lab}	43.17, 26.52, -44.42
CIE _{LCh}	43, 51.735, 300.833
Yxy	13.2717, 0.2325, 0.1818
Android (android.graphics.Color)	4284897968 (0xFF665AB0)
YUV	103.3920, 35.7957, -1.2208
Hunter-Lab	36.4303, 19.4061, -44.0601

Details

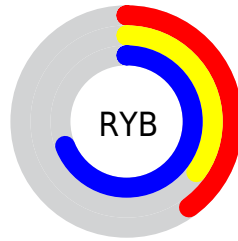
The XYZ color **16.9721, 13.2717, 42.7415** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **32.6807, 39.6816, 15.6101**, and the grayscale version is **12.9083, 13.5806, 14.7892**.

A 20% lighter version of the original color is **37.8482, 31.7505, 80.4776**, and **5.6948, 3.8598, 19.1838** is the 20% darker color. If you saturate the color by 10%, you get **14.0973, 9.8409, 42.2311**, and if you desaturate by 10%, it is **20.5130, 17.5680, 43.3844**.

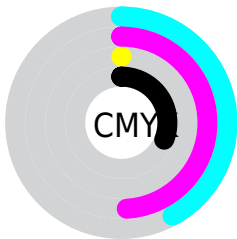
Distribution



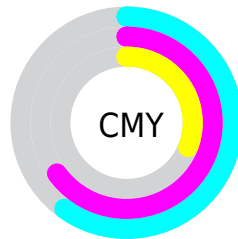
- Red (40%)
- Green (35%)
- Blue (69%)



- Red (40%)
- Yellow (35%)
- Blue (69%)



- Cyan (42%)
- Magenta (49%)
- Yellow (0%)
- Black (31%)



- Cyan (60%)
- Magenta (65%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9721, 13.2717, 42.7415 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 16.9721, 13.2717, 42.7415 by changing the saturation by 10% instead.

■ 16.9721, 13.2717,
42.7415

■ 16.9721, 13.2717,
42.7415

228.1709,
212.6517, 373.4375

■ 10.3098, 7.6159,
29.3524

■ 37.8218, 31.7910,
80.6028

■ 5.6687, 3.8502,
19.0997

■ 52.7399, 45.4234,
105.9121

■ 2.6834, 1.5901,
11.5648

■ 71.1406, 62.4834,
136.0319

■ 0.9886, 0.3509,
6.3292

■ 93.3892, 83.3554,
171.3808

■ 0.0000, 0.0000,
2.9742

■ 119.8513,
108.4238, 212.3773

■ 0.0000, 0.0000,
1.0815

150.8920,

■ 0.0000, 0.0000,

138.0731, 259.4398

0.0000

186.8767,
172.6876, 312.9871

■ 16.9721, 13.2717,
42.7415

■ 16.9721, 13.2717,
42.7415

■ 14.0973, 9.8409,
42.2311

■ 20.5130, 17.5680,
43.3844

■ 11.8446, 7.2150,
41.8429

■ 24.7570, 22.7820,
44.1671

■ 10.1674, 5.3276,
41.5671

■ 29.7400, 28.9634,
45.0976

■ 9.0113, 4.1012,
41.3913

■ 35.4952, 36.1579,
46.1830

■ 8.2915, 3.4014,
41.2941

■ 42.0538, 44.4084,
47.4298

■ 8.2267, 3.3357,
41.2849

■ 49.4451, 53.7551,
48.8443

■ 57.6970, 64.2362,
50.4325

■ 66.8361, 75.8883,
52.1999

■ 76.8879, 88.7458,
54.1518

Harmonies

Analogous

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



12.7263, 13.2717, 49.4638



16.9721, 13.2717, 42.7415



20.5749, 13.2717, 28.0312

Triad

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



16.9721, 13.2717, 42.7415



16.7375, 13.2717, 2.4996



6.3903, 13.2717, 14.7727

Complementary

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



16.9721, 13.2717, 42.7415



32.6807, 39.6816, 15.6101

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.



7.0284, 13.2717, 6.1662



16.9721, 13.2717, 42.7415



12.5030, 13.2717, 1.7308

Square

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



16.9721, 13.2717, 42.7415



20.4206, 13.2717, 5.8576



9.0747, 13.2717, 2.6001



7.1043, 13.2717, 28.9013

Rectangle

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



16.9721, 13.2717, 42.7415



21.8117, 13.2717, 18.2435



9.0747, 13.2717, 2.6001



6.4523, 13.2717, 11.2236

Sweetspot

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



16.9726, 13.2722, 42.7418



57.5318, 57.0117, 82.4674



25.4244, 32.0508, 45.9210



12.0187, 11.7945, 17.7875



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.



16.9726, 13.2722, 42.7418



25.0328, 17.2175, 76.4992



23.0763, 16.4187, 43.0275



8.1486, 8.2851, 10.6760



6.0665, 2.4632, 30.2927



0.2255, 0.0953, 0.9548

Inverse Universe

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



28.2617, 19.2231, 37.3425



48.1923, 29.4460, 64.5118



25.3313, 35.8928, 15.2661



8.7980, 8.6259, 10.4348



17.2777, 8.4286, 22.4202



0.5576, 0.2708, 0.7790

Previews

White Background



This preview shows how the XYZ color 16.9721, 13.2717, 42.7415 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 16.9721, 13.2717, 42.7415 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 16.9721, 13.2717, 42.7415

Background



This preview shows how black text looks on a background with the XYZ color 16.9721, 13.2717, 42.7415.



This preview shows how white text looks on a background with the XYZ color 16.9721, 13.2717,

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

16.9721, 13.2717, 42.7415

Protanopia

15.0823, 13.3871, 47.6880

Deuteranopia

13.7085, 13.3957, 41.3983



Tritanopia

11.8700, 13.2738, 17.5593

Trichromacy



Original Color

16.9721, 13.2717, 42.7415

Protanomaly

15.5280, 13.2390, 45.9929

Deuteranomaly

14.4619, 13.0566, 41.8023

Tritanomaly

13.4147, 13.1672, 25.1270

Monochromacy



Original Color

16.9721, 13.2717, 42.7415

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.9905, 13.2306, 22.9355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9721, 13.2717, 42.7415 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(102, 90, 176)` looks like.

```
.text, #text, p{  
    color:rgb(102, 90, 176)  
}
```

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(102, 90, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 90, 176) }
```

Border

The CSS property to change the border of an element to XYZ 16.9721, 13.2717, 42.7415 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(102, 90, 176) }
```


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

```
.border{ border-color:rgb(102, 90, 176) }
```

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

Here you see how a box with a 4 pixel rgb(102, 90, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 90, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 90, 176);  
box-shadow:4px 4px 4px 4px rgb(102, 90,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9721, 13.2717, 42.7415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 90, 176) }
```

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

```
.background{ background-color: rgb(102, 90,  
176) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor