

Converting Colors

XYZ(16.7134, 10.5433, 43.0803)

Have a look what the booklet for
XYZ(16.7134, 10.5433, 43.0803)
contains.

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Color

**XYZ(16.7941, 10.6215,
43.2845)**

Conversions

Conversions Part 1

Format	Color
Hex	7142B2
RGB	113, 66, 178
RGB Percent	44%, 26%, 70%
CMY	0.5569, 0.7412, 0.3020
CMYK	0.37, 0.63, 0.00, 0.30
HSL	265°, 46%, 48%
HSV	265°, 63%, 70%
XYZ	16.7941, 10.6215, 43.2845
YIQ	92.8210, -7.9400, 44.7960

Conversions

Conversions Part 2

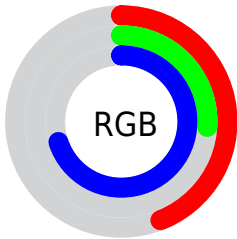
Format	Color
R _Y B	113, 66, 178
Decimal	7422642
CIE Lab	38.94, 43.78, -52.34
CIE LCh	39, 68.237, 309.910
Yxy	10.6215, 0.2375, 0.1502
Android (android.graphics.Color)	4285612722 (0xFF7142B2)
YUV	92.8210, 41.9932, 17.6970
Hunter-Lab	32.5906, 34.9482, -55.9312

Details

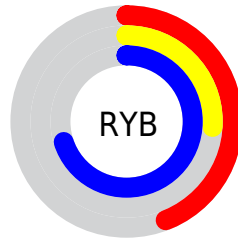
The XYZ color **16.7941, 10.6215, 43.2845** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **26.2640, 37.0596, 10.9235**, and the grayscale version is **10.2699, 10.8048, 11.7664**.

A 20% lighter version of the original color is **37.4589, 26.8663, 81.0533**, and **5.5683, 2.7254, 19.3013** is the 20% darker color. If you saturate the color by 10%, you get **14.6571, 8.2090, 42.9317**, and if you desaturate by 10%, it is **19.4069, 13.7598, 43.7528**.

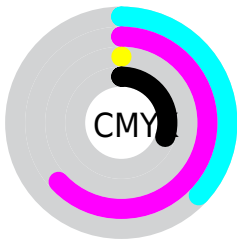
Distribution



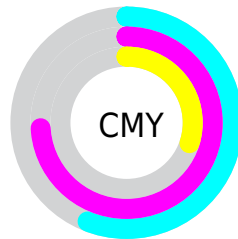
- Red (44%)
- Green (26%)
- Blue (70%)



- Red (44%)
- Yellow (26%)
- Blue (70%)



- Cyan (37%)
- Magenta (63%)
- Yellow (0%)
- Black (30%)



- Cyan (56%)
- Magenta (74%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7941, 10.6215, 43.2845 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 16.7941, 10.6215, 43.2845 by changing the saturation by 10% instead.

■ 16.7941, 10.6215,
43.2845

■ 16.7941, 10.6215,
43.2845

227.1625,
195.0521, 375.7360

■ 10.1822, 5.8129,
29.7753

■ 37.5178, 26.9581,
81.4310

■ 5.5831, 2.7317,
19.4175

■ 52.3604, 39.2549,
106.9054

■ 2.6315, 0.9933,
11.7925

■ 70.6772, 54.8166,
137.2052

■ 0.9620, 0.0000,
6.4817

■ 92.8336, 74.0276,
172.7492

■ 0.0000, 0.0000,
3.0667

■ 119.1950, 97.2722,
213.9557

■ 0.0000, 0.0000,
1.1288

150.1267,

■ 0.0000, 0.0000,

124.9349, 261.2433

0.0000

185.9941,
157.4001, 315.0305

■ 16.7941, 10.6215,
43.2845

■ 16.7941, 10.6215,
43.2845

■ 14.6571, 8.2090,
42.9317

■ 19.4069, 13.7598,
43.7528

■ 12.9583, 6.4563,
42.6829

■ 22.5261, 17.6797,
44.3450

■ 11.6555, 5.2865,
42.5258

■ 26.1810, 22.4325,
45.0697

■ 10.9140, 4.6981,
42.4513

■ 30.3983, 28.0649,
45.9346

■ 35.2026, 34.6199,
46.9466

■ 40.6171, 42.1377,
48.1123

■ 46.6634, 50.6560,
49.4379

■ 53.3624, 60.2105,
50.9290

■ 60.7337, 70.8352,
52.5913

Harmonies

Analogous

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



11.6732, 10.6215, 57.7955



16.7941, 10.6215, 43.2845



20.7106, 10.6215, 22.4507

Triad

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



16.7941, 10.6215, 43.2845



13.3998, 10.6215, 0.2129



3.7076, 10.6215, 16.4223

Complementary

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



16.7941, 10.6215, 43.2845



26.2640, 37.0596, 10.9235

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.



3.9170, 10.6215, 4.9287



16.7941, 10.6215, 43.2845



8.6666, 10.6215, 0.0000

Square

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



16.7941, 10.6215, 43.2845



18.3788, 10.6215, 1.7987



5.4673, 10.6215, 1.0356



4.7716, 10.6215, 36.1564

Rectangle

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



16.7941, 10.6215, 43.2845



21.5798, 10.6215, 11.6042



5.4673, 10.6215, 1.0356



3.6412, 10.6215, 11.5259

Sweetspot

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



16.7946, 10.6219, 43.2848



58.1297, 54.9667, 83.9271



18.4441, 20.6952, 45.1422



12.3510, 11.4620, 18.4837



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



16.7946, 10.6219, 43.2848



25.1320, 13.3498, 77.6333



26.2751, 15.5093, 43.7284



8.3687, 8.3986, 10.6863



7.8776, 3.3968, 30.3775



0.3150, 0.1415, 0.9589

Inverse Universe

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



24.4052, 15.0004, 23.0817



40.8693, 22.4328, 34.5421



19.8318, 33.7437, 10.6225



8.6962, 8.5852, 9.8986



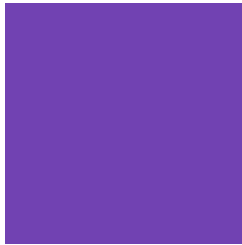
14.9314, 7.4901, 10.0645



0.4981, 0.2470, 0.4659

Previews

White Background



This preview shows how the XYZ color 16.7941, 10.6215, 43.2845 looks on a white background.

Color Contrast Check

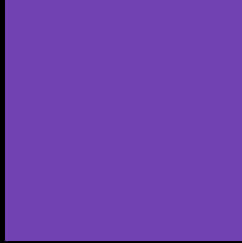
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7941, 10.6215, 43.2845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

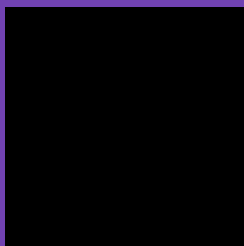
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.7941, 10.6215, 43.2845

Background



This preview shows how black text looks on a background with the XYZ color 16.7941, 10.6215, 43.2845.



This preview shows how white text looks on a background with the XYZ color 16.7941, 10.6215,

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

16.7941, 10.6215, 43.2845

Protanopia

12.6495, 10.7756, 48.9902

Deuteranopia

10.7942, 10.7220, 37.0979



Tritanopia

10.6377, 10.6622, 12.8066

Trichromacy



Original Color

16.7941, 10.6215, 43.2845



Protanomaly

12.5086, 9.8170, 46.5830



Deuteranomaly

11.3405, 9.7143, 39.3076



Tritanomaly

12.1878, 10.2160, 21.0682

Monochromacy



Original Color

16.7941, 10.6215, 43.2845



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

11.9869, 10.3511, 20.4350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7941, 10.6215, 43.2845 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(113, 66, 178)` looks like.

```
.text, #text, p{  
    color:rgb(113, 66, 178)  
}
```

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(113, 66, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 66, 178) }
```

Border

The CSS property to change the border of an element to XYZ 16.7941, 10.6215, 43.2845 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(113, 66, 178) }
```


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

```
.border{ border-color:rgb(113, 66, 178) }
```

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

Here you see how a box with a 4 pixel rgb(113, 66, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 66, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 66, 178);  
box-shadow:4px 4px 4px 4px rgb(113, 66,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7941, 10.6215, 43.2845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 66, 178) }
```

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

```
.background{ background-color: rgb(113, 66,  
178) }
```

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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