

Converting Colors

XYZ(16.7305, 15.8334, 22.2530)

Have a look what the booklet for
XYZ(16.7305, 15.8334, 22.2530)
contains.

XYZ(16.7305, 15.8334, 22.2530)	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(16.7305, 15.8334,
22.2530)**

Conversions

Conversions Part 1

Format	Color
Hex	786A7F
RGB	120, 106, 127
RGB Percent	47%, 42%, 50%
CMY	0.5294, 0.5843, 0.5020
CMYK	0.06, 0.17, 0.00, 0.50
HSL	280°, 9%, 46%
HSV	280°, 17%, 50%
XYZ	16.7305, 15.8334, 22.2530
YIQ	112.5800, 1.6030, 9.4990

Conversions

Conversions Part 2

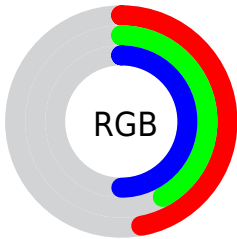
Format	Color
R_{YB}	120, 106, 127
Decimal	7891583
CIE Lab	46.76, 9.72, -9.61
CIE LCh	47, 13.668, 315.329
Yxy	15.8334, 0.3052, 0.2888
Android (android.graphics.Color)	4286081663 (0xFF786A7F)
YUV	112.5800, 7.1091, 6.5073
Hunter-Lab	39.7912, 5.4170, -5.3037

Details

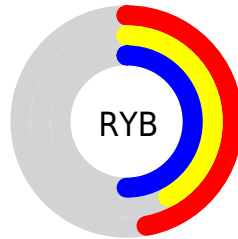
The XYZ color **16.7305, 15.8334, 22.2530** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.0015, 19.7304, 16.5487**, and the grayscale version is **15.5515, 16.3613, 17.8175**.

A 20% lighter version of the original color is **37.3084, 36.1799, 48.1971**, and **5.5376, 5.0176, 7.8844** is the 20% darker color. If you saturate the color by 10%, you get **14.9434, 13.1113, 21.8220**, and if you desaturate by 10%, it is **18.7384, 18.9579, 22.7505**.

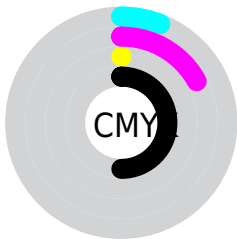
Distribution



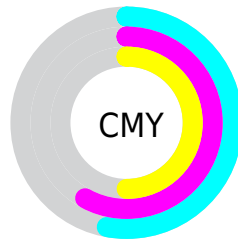
- Red (47%)
- Green (42%)
- Blue (50%)



- Red (47%)
- Yellow (42%)
- Blue (50%)



- Cyan (6%)
- Magenta (17%)
- Yellow (0%)
- Black (50%)



- Cyan (53%)
- Magenta (58%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7305, 15.8334, 22.2530 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 16.7305, 15.8334, 22.2530 by changing the saturation by 10% instead.

■ 16.7305, 15.8334,
22.2530

■ 16.7305, 15.8334,
22.2530

226.8012,
228.3566, 276.8612

■ 10.1366, 9.4063,
13.8428

■ 37.4091, 36.3087,
48.0713

■ 5.5526, 5.0072,
7.8739

■ 52.2246, 51.1258,
66.3166

■ 2.6131, 2.2515,
3.9278

■ 70.5113, 69.5083,
88.6773

■ 0.9526, 0.7478,
1.5858

■ 92.6347, 91.8407,
115.5719

■ 0.0000, 0.0000,
0.2807

118.9600,
118.5073, 147.4191

■ 0.0000, 0.0000,
0.0000

149.8526,

149.8926, 184.6373

185.6778,
186.3809, 227.6452

■ 16.7305, 15.8334,
22.2530

■ 16.7305, 15.8334,
22.2530

■ 14.9434, 13.1113,
21.8220

■ 18.7384, 18.9579,
22.7505

■ 13.3667, 10.7725,
21.4537

■ 20.9740, 22.4989,
23.3162

■ 11.9916, 8.7992,
21.1453

■ 23.4455, 26.4723,
23.9528

■ 10.8078, 7.1715,
20.8935

■ 26.1603, 30.8925,
24.6629

■ 9.8041, 5.8674,
20.6947

■ 29.1257, 35.7733,
25.4487

8.9679, 4.8624,
20.5448

32.3484, 41.1278,
26.3124

8.2850, 4.1285,
20.4391

35.8349, 46.9686,
27.2560

7.7286, 3.6126,
20.3688

39.5916, 53.3080,
28.2817

7.5468, 3.4480,
20.3466

43.6244, 60.1576,
29.3912

Harmonies

Analogous

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



15.6604, 15.8334, 24.3396



16.7305, 15.8334, 22.2530



17.3657, 15.8334, 18.9480

Triad

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



16.7305, 15.8334, 22.2530



15.6344, 15.8334, 11.6605



12.9546, 15.8334, 19.0254

Complementary

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



16.7305, 15.8334, 22.2530



17.0015, 19.7304, 16.5487

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.



12.9484, 15.8334, 15.6376



16.7305, 15.8334, 22.2530



14.4541, 15.8334, 11.6754

Square

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



16.7305, 15.8334, 22.2530



16.7106, 15.8334, 12.9985



13.4844, 15.8334, 13.0426



13.5017, 15.8334, 22.3160

Rectangle

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



16.7305, 15.8334, 22.2530



17.4368, 15.8334, 16.6402



13.4844, 15.8334, 13.0426



12.8901, 15.8334, 17.8538

Sweetspot

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



16.7310, 15.8341, 22.2533



34.0971, 34.7999, 40.8762



15.7194, 16.4856, 22.4324



7.9298, 8.0638, 9.5569



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.7310, 15.8341, 22.2533



28.6529, 26.3486, 39.5319



17.5355, 16.2722, 21.2360



4.3632, 4.3428, 5.4216



7.6096, 3.4766, 20.5199



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.8876, 16.0130, 17.8242



29.0137, 26.7487, 29.8795



16.3022, 19.3506, 17.3869



4.3823, 4.3661, 4.8178



9.2540, 4.7213, 2.6614



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.7305, 15.8334, 22.2530 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 16.7305, 15.8334, 22.2530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

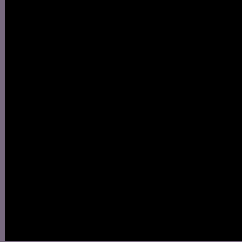
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.7305, 15.8334, 22.2530

Background



This preview shows how black text looks on a background with the XYZ color 16.7305, 15.8334, 22.2530.



This preview shows how white text looks on a background with the XYZ color 16.7305, 15.8334,

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

16.7305, 15.8334, 22.2530

Protanopia

15.6686, 15.8894, 23.3602

Deuteranopia

16.1328, 15.8348, 22.2848



Tritanopia

15.9862, 15.8376, 18.7374

Trichromacy



Original Color

16.7305, 15.8334, 22.2530

Protanomaly

16.1132, 15.9670, 23.0016

Deuteranomaly

16.2909, 15.7607, 22.2622

Tritanomaly

16.2556, 15.7934, 19.9610

Monochromacy



Original Color

16.7305, 15.8334, 22.2530

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.0484, 16.1729, 19.4154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7305, 15.8334, 22.2530 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(120, 106, 127)` looks like.

```
.text, #text, p{  
    color:rgb(120, 106, 127)  
}
```

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(120, 106, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 106, 127) }
```

Border

The CSS property to change the border of an element to XYZ 16.7305, 15.8334, 22.2530 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(120, 106, 127) }
```


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

```
.border{ border-color:rgb(120, 106, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 106, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 106, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 106, 127);  
box-shadow:4px 4px 4px 4px rgb(120, 106,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7305, 15.8334, 22.2530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 106, 127) }
```

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

```
.background{ background-color: rgb(120,  
106, 127) }
```

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