

Converting Colors

XYZ(12.4561, 10.7233, 18.3554)

Have a look what the booklet for
XYZ(12.4561, 10.7233, 18.3554)
contains.

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Color

**XYZ(12.4446, 10.7508,
18.2488)**

Conversions

Conversions Part 1

Format	Color
Hex	6B5475
RGB	107, 84, 117
RGB Percent	42%, 33%, 46%
CMY	0.5804, 0.6706, 0.5412
CMYK	0.09, 0.28, 0.00, 0.54
HSL	282°, 16%, 39%
HSV	282°, 28%, 46%
XYZ	12.4446, 10.7508, 18.2488
YIQ	94.6390, 3.1150, 15.1390

Conversions

Conversions Part 2

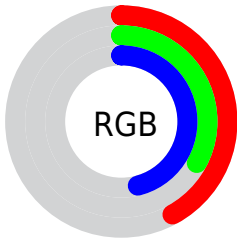
Format	Color
R_{YB}	107, 84, 117
Decimal	7033973
CIE _{Lab}	39.16, 16.15, -15.17
CIE _{LCh}	39, 22.154, 316.783
Yxy	10.7508, 0.3003, 0.2594
Android (android.graphics.Color)	4285224053 (0xFF6B5475)
YUV	94.6390, 11.0240, 10.8406
Hunter-Lab	32.7884, 10.3686, -10.0467

Details

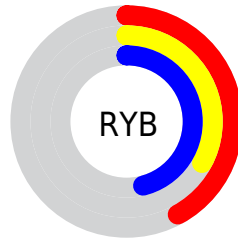
The XYZ color **12.4446, 10.7508, 18.2488** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **12.5780, 15.7426, 10.7637**, and the grayscale version is **10.7653, 11.3259, 12.3340**.

A 20% lighter version of the original color is **29.9846, 27.2857, 41.2224**, and **3.6033, 2.8105, 5.9828** is the 20% darker color. If you saturate the color by 10%, you get **11.1938, 8.8689, 17.9516**, and if you desaturate by 10%, it is **13.8653, 12.9461, 18.5978**.

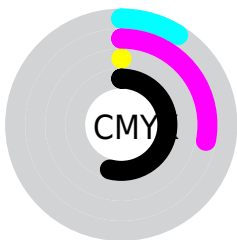
Distribution



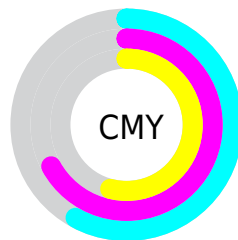
- Red (42%)
- Green (33%)
- Blue (46%)



- Red (42%)
- Yellow (33%)
- Blue (46%)



- Cyan (9%)
- Magenta (28%)
- Yellow (0%)
- Black (54%)



- Cyan (58%)
- Magenta (67%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4446, 10.7508, 18.2488 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 12.4446, 10.7508, 18.2488 by changing the saturation by 10% instead.

■ 12.4446, 10.7508,
18.2488

■ 12.4446, 10.7508,
18.2488

201.0372,
195.9498, 254.5527

■ 7.1216, 5.8995,
10.9575

■ 29.9122, 27.1984,
41.2805

■ 3.5853, 2.7841,
5.9244

■ 42.7875, 39.5636,
57.8579

■ 1.4703, 1.0201,
2.7311

■ 58.9109, 55.2021,
78.3678

■ 0.3055, 0.0000,
0.9590

■ 78.6477, 74.4985,
103.2286

■ 0.0000, 0.0000,
0.0000

■ 102.3635, 97.8370,
132.8590

130.4234,

125.6022, 167.6775

163.1928,
158.1783, 208.1025

■ 12.4446, 10.7508,
18.2488

■ 12.4446, 10.7508,
18.2488

■ 11.1938, 8.8689,
17.9516

■ 13.8653, 12.9461,
18.5978

■ 10.1041, 7.2837,
17.7031

■ 15.4621, 15.4675,
19.0003

■ 9.1674, 5.9794,
17.5007

■ 17.2420, 18.3287,
19.4588

■ 8.3747, 4.9378,
17.3415

■ 19.2116, 21.5422,
19.9753

■ 7.7155, 4.1387,
17.2220

■ 21.3767, 25.1199,
20.5517

7.1780, 3.5587,
17.1383

23.7434, 29.0730,
21.1900

6.7293, 3.1320,
17.0796

26.3170, 33.4125,
21.8920

6.6512, 3.0579,
17.0694

29.1029, 38.1486,
22.6593

32.1063, 43.2913,
23.4936

Harmonies

Analogous

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



11.0655, 10.7508, 21.4148



12.4446, 10.7508, 18.2488



13.2590, 10.7508, 13.6776

Triad

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



12.4446, 10.7508, 18.2488



10.8854, 10.7508, 5.4113



7.7202, 10.7508, 14.2305

Complementary

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



12.4446, 10.7508, 18.2488



12.5780, 15.7426, 10.7637

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.



7.6821, 10.7508, 9.9332



12.4446, 10.7508, 18.2488



9.4155, 10.7508, 5.4905

Square

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



12.4446, 10.7508, 18.2488



12.3018, 10.7508, 6.6988



8.2748, 10.7508, 6.9500



8.3845, 10.7508, 18.7371

Rectangle

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



12.4446, 10.7508, 18.2488



13.3254, 10.7508, 10.7659



8.2748, 10.7508, 6.9500



7.6362, 10.7508, 12.6989

Sweetspot

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



12.4449, 10.7513, 18.2490



27.6869, 27.6959, 34.0236



10.9103, 11.2553, 18.4272



6.2789, 6.2297, 7.8005



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.4449, 10.7513, 18.2490



20.7568, 16.9417, 32.3131



13.3732, 11.2696, 16.4951



3.7238, 3.7049, 4.6091



7.3121, 3.3608, 18.8059



34.7334, 15.9142, 91.6014

Inverse Universe

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



12.5272, 10.9312, 12.0398



20.9845, 17.3541, 18.9945



11.8654, 15.3467, 12.0213



3.7254, 3.7175, 4.0809



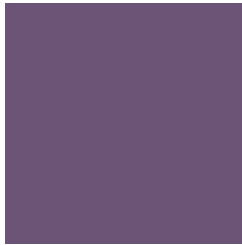
8.4182, 4.3010, 2.1443



40.6836, 20.8236, 8.6632

Previews

White Background



This preview shows how the XYZ color 12.4446, 10.7508, 18.2488 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 12.4446, 10.7508, 18.2488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

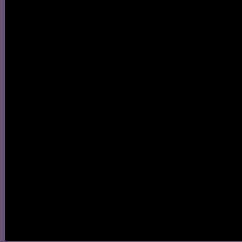
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4446, 10.7508, 18.2488

Background



This preview shows how black text looks on a background with the XYZ color 12.4446, 10.7508, 18.2488.



This preview shows how white text looks on a background with the XYZ color 12.4446, 10.7508,

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

12.4446, 10.7508, 18.2488

Protanopia

10.9101, 10.7721, 19.9166

Deuteranopia

11.0133, 10.8670, 18.0401



Tritanopia

11.2642, 10.7487, 12.3075

Trichromacy



Original Color

12.4446, 10.7508, 18.2488

Protanomaly

11.2935, 10.6108, 19.2222

Deuteranomaly

11.4660, 10.7272, 17.9892

Tritanomaly

11.6821, 10.7989, 14.3007

Monochromacy



Original Color

12.4446, 10.7508, 18.2488

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.3349, 11.1141, 14.3798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4446, 10.7508, 18.2488 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(107, 84, 117)` looks like.

```
.text, #text, p{  
  color:rgb(107, 84, 117)  
}
```

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(107, 84, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 84, 117) }
```

Border

The CSS property to change the border of an element to XYZ 12.4446, 10.7508, 18.2488 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(107, 84, 117) }
```


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

```
.border{ border-color:rgb(107, 84, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 84, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 84, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 84, 117);  
box-shadow:4px 4px 4px 4px rgb(107, 84,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4446, 10.7508, 18.2488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 84, 117) }
```

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

```
.background{ background-color: rgb(107, 84,  
117) }
```

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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