

Converting Colors

XYZ(12.0417, 10.1773, 17.5310)

Have a look what the booklet for
XYZ(12.0417, 10.1773, 17.5310)
contains.

XYZ(12.1003, 10.2485, 17.5600)	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(12.1003, 10.2485,
17.5600)**

Conversions

Conversions Part 1

Format	Color
Hex	6B5173
RGB	107, 81, 115
RGB Percent	42%, 32%, 45%
CMY	0.5804, 0.6823, 0.5490
CMYK	0.07, 0.30, 0.00, 0.55
HSL	286°, 17%, 38%
HSV	286°, 30%, 45%
XYZ	12.1003, 10.2485, 17.5600
YIQ	92.6500, 4.5820, 16.0860

Conversions

Conversions Part 2

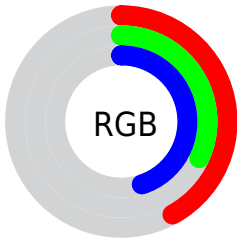
Format	Color
R_{YB}	107, 81, 115
Decimal	7033203
CIE _{Lab}	38.28, 17.54, -15.27
CIE _{LCh}	38, 23.258, 318.964
Yxy	10.2485, 0.3032, 0.2568
Android (android.graphics.Color)	4285223283 (0xFF6B5173)
YUV	92.6500, 11.0186, 12.5850
Hunter-Lab	32.0133, 11.4458, -10.1126

Details

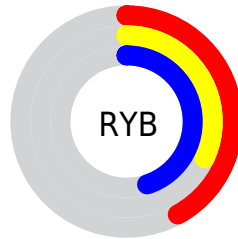
The XYZ color **12.1003, 10.2485, 17.5600** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **11.7362, 14.9797, 10.0580**, and the grayscale version is **10.2978, 10.8341, 11.7983**.

A 20% lighter version of the original color is **29.3894, 26.3935, 40.1047**, and **3.4476, 2.5968, 5.6297** is the 20% darker color. If you saturate the color by 10%, you get **10.9969, 8.5169, 17.2841**, and if you desaturate by 10%, it is **13.3593, 12.2757, 17.8851**.

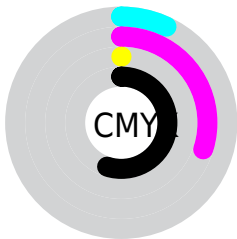
Distribution



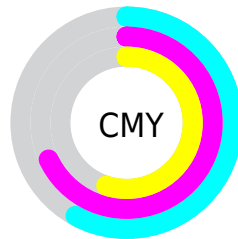
- Red (42%)
- Green (32%)
- Blue (45%)



- Red (42%)
- Yellow (32%)
- Blue (45%)



- Cyan (7%)
- Magenta (30%)
- Yellow (0%)
- Black (55%)



- Cyan (58%)
- Magenta (68%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1003, 10.2485, 17.5600 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 12.1003, 10.2485, 17.5600 by changing the saturation by 10% instead.

■ 12.1003, 10.2485,
17.5600

■ 12.1003, 10.2485,
17.5600

198.8246,
192.4366, 250.5314

■ 6.8847, 5.5640,
10.4684

■ 29.2929, 26.2619,
40.0899

■ 3.4358, 2.5818,
5.6010

■ 42.0007, 38.3596,
56.3653

■ 1.3882, 0.9175,
2.5392

■ 57.9365, 53.6971,
76.5390

■ 0.2478, 0.0000,
0.8608

■ 77.4658, 72.6589,
101.0295

■ 0.0000, 0.0000,
0.0000

■ 100.9539, 95.6294,
130.2555

128.7661,

122.9929, 164.6355

161.2679,
155.1338, 204.5879

■ 12.1003, 10.2485,
17.5600

■ 12.1003, 10.2485,
17.5600

■ 10.9969, 8.5169,
17.2841

■ 13.3593, 12.2757,
17.8851

■ 10.0407, 7.0650,
17.0542

■ 14.7799, 14.6109,
18.2610

■ 9.2240, 5.8773,
16.8680

■ 16.3686, 17.2672,
18.6899

■ 8.5380, 4.9364,
16.7226

■ 18.1317, 20.2567,
19.1740

■ 7.9729, 4.2225,
16.6146

■ 20.0749, 23.5906,
19.7151

■ 7.5172, 3.7130,
16.5402

■ 22.2037, 27.2800,
20.3151

■ 7.1299, 3.3262,
16.4860

■ 24.5233, 31.3351,
20.9755

■ 7.1133, 3.3096,
16.4836

■ 27.0388, 35.7659,
21.6982

■ 29.7550, 40.5820,
22.4846

Harmonies

Analogous

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



10.7157, 10.2485, 21.0200



12.1003, 10.2485, 17.5600



12.8791, 10.2485, 12.8283

Triad

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



12.1003, 10.2485, 17.5600



10.3076, 10.2485, 4.8234



7.2440, 10.2485, 14.0865

Complementary

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



12.1003, 10.2485, 17.5600



11.7362, 14.9797, 10.0580

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.



7.1590, 10.2485, 9.6410



12.1003, 10.2485, 17.5600



8.8271, 10.2485, 4.9956

Square

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



12.1003, 10.2485, 17.5600



11.7751, 10.2485, 5.9866



7.7100, 10.2485, 6.5398



7.9556, 10.2485, 18.6835

Rectangle

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



12.1003, 10.2485, 17.5600



12.9011, 10.2485, 9.9122



7.7100, 10.2485, 6.5398



7.1441, 10.2485, 12.5059

Sweetspot

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



12.1006, 10.2489, 17.5602



26.5541, 26.3096, 32.7232



10.1025, 10.2159, 17.6592



6.2585, 6.1499, 7.7862



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.



12.1006, 10.2489, 17.5602



20.3806, 16.3214, 31.1207



12.6406, 10.5812, 15.1488



3.7465, 3.7166, 4.6102



8.1126, 3.7735, 18.8434



38.7495, 17.9846, 91.7893

Inverse Universe

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



11.8162, 10.2515, 10.8078



19.8334, 16.3532, 16.9154



11.3487, 14.7407, 11.8093



3.7160, 3.7137, 4.0314



8.3021, 4.2546, 1.5333



40.1729, 20.6193, 5.9737

Previews

White Background



This preview shows how the XYZ color 12.1003, 10.2485, 17.5600 looks on a white background.

Color Contrast Check

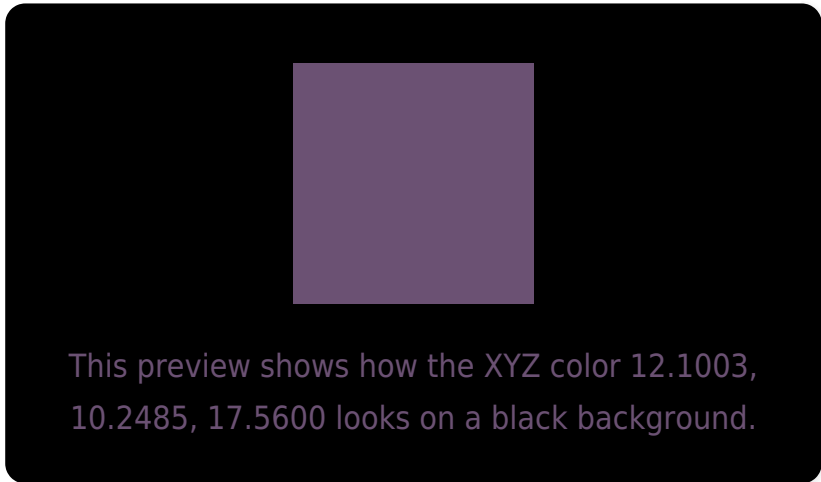
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.1003, 10.2485, 17.5600

Background



This preview shows how black text looks on a background with the XYZ color 12.1003, 10.2485, 17.5600.



This preview shows how white text looks on a background with the XYZ color 12.1003, 10.2485,

17.5600.

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

12.1003, 10.2485, 17.5600

Protanopia

10.4169, 10.2746, 19.5233

Deuteranopia

10.5401, 10.3859, 17.3687



Tritanopia

10.8892, 10.2128, 11.5226

Trichromacy



Original Color

12.1003, 10.2485, 17.5600

Protanomaly

10.8740, 10.1611, 18.8409

Deuteranomaly

10.9811, 10.2502, 17.3193

Tritanomaly

11.2963, 10.2640, 13.4424

Monochromacy



Original Color

12.1003, 10.2485, 17.5600

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.9583, 10.6810, 13.7960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1003, 10.2485, 17.5600 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, 81, 115)` looks like.

```
.text, #text, p{  
    color:rgb(107, 81, 115)  
}
```

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, 81, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 81, 115) }
```

Border

The CSS property to change the border of an element to XYZ 12.1003, 10.2485, 17.5600 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, 81, 115) }
```


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

```
.border{ border-color:rgb(107, 81, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 81, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 81, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 81, 115);  
box-shadow:4px 4px 4px 4px rgb(107, 81,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1003, 10.2485, 17.5600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 81, 115) }
```

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

```
.background{ background-color: rgb(107, 81,  
115) }
```

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