

Converting Colors

XYZ(13.4230, 16.4979, 11.1011)

Have a look what the booklet for
XYZ(13.4230, 16.4979, 11.1011)
contains.

XYZ(13.3821, 16.5022, 11.0743)	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(13.3821, 16.5022,
11.0743)**

Conversions

Conversions Part 1

Format	Color
Hex	637755
RGB	99, 119, 85
RGB Percent	39%, 47%, 33%
CMY	0.6118, 0.5333, 0.6667
CMYK	0.17, 0.00, 0.29, 0.53
HSL	95°, 17%, 40%
HSV	95°, 29%, 47%
XYZ	13.3821, 16.5022, 11.0743
YIQ	109.1440, -1.0060, -14.8140

Conversions

Conversions Part 2

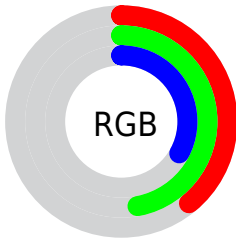
Format	Color
R _Y B	85, 119, 105
Decimal	6518613
CIE Lab	47.63, -14.14, 16.34
CIE LCh	48, 21.610, 130.861
Yxy	16.5022, 0.3267, 0.4029
Android (android.graphics.Color)	4284708693 (0xFF637755)
YUV	109.1440, -11.9030, -8.8963
Hunter-Lab	40.6229, -12.2881, 12.2728

Details

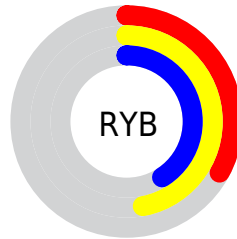
The XYZ color **13.3821, 16.5022, 11.0743** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12.4048, 10.8327, 18.8908**, and the grayscale version is **14.6100, 15.3709, 16.7389**.

A 20% lighter version of the original color is **31.5138, 37.3591, 28.4717**, and **4.0356, 5.3830, 2.7458** is the 20% darker color. If you saturate the color by 10%, you get **12.2167, 15.9520, 8.7561**, and if you desaturate by 10%, it is **14.6942, 17.1198, 13.8152**.

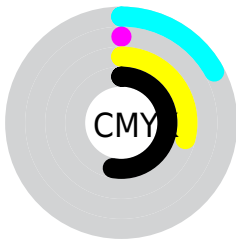
Distribution



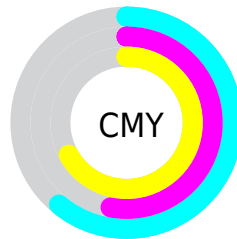
- Red (39%)
- Green (47%)
- Blue (33%)



- Red (33%)
- Yellow (47%)
- Blue (41%)



- Cyan (17%)
- Magenta (0%)
- Yellow (29%)
- Black (53%)



- Cyan (61%)
- Magenta (53%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3821, 16.5022, 11.0743 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 13.3821, 16.5022, 11.0743 by changing the saturation by 10% instead.

■ 13.3821, 16.5022,
11.0743

■ 13.3821, 16.5022,
11.0743

206.9407,
232.2871, 208.9323

■ 7.7710, 9.8802,
6.0020

■ 31.5841, 37.4679,
28.4362

■ 3.9993, 5.3196,
2.7775

■ 44.9056, 52.5804,
41.5630

■ 1.7018, 2.4360,
0.9822

■ 61.5281, 71.2918,
58.2116

■ 0.4574, 0.8443,
0.0000

■ 81.8167, 93.9866,
78.8007

■ 0.0000, 0.0000,
0.0000

■ 106.1370,
121.0491, 103.7488

134.8541,

152.8638, 133.4744

168.3336,
189.8150, 168.3960

■ 13.3821, 16.5022,
11.0743

■ 13.3821, 16.5022,
11.0743

■ 12.2167, 15.9520,
8.7561

■ 14.6942, 17.1198,
13.8152

■ 11.1911, 15.4647,
6.8384

■ 16.1571, 17.8051,
16.9973

■ 10.2996, 15.0383,
5.2989

■ 17.7762, 18.5608,
20.6393

■ 9.5357, 14.6699,
4.1124

■ 19.5563, 19.3891,
24.7584

■ 8.8922, 14.3566,
3.2507

■ 21.5020, 20.2921,
29.3710

■ 8.3608, 14.0947,
2.6812

■ 23.6175, 21.2715,
34.4928

■ 7.9216, 13.8760,
2.3096

■ 25.9072, 22.3293,
40.1387

■ 7.8635, 13.8472,
2.2583

■ 28.3751, 23.4672,
46.3230

■ 31.0250, 24.6869,
53.0595

Harmonies

Analogous

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



14.9966, 16.5022, 9.4271



13.3821, 16.5022, 11.0743



12.4364, 16.5022, 14.7066

Triad

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



13.3821, 16.5022, 11.0743



14.5003, 16.5022, 29.9823



19.6152, 16.5022, 16.0407

Complementary

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



13.3821, 16.5022, 11.0743



12.4048, 10.8327, 18.8908

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.



19.4548, 16.5022, 21.6793



13.3821, 16.5022, 11.0743



16.3939, 16.5022, 30.5440

Square

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



13.3821, 16.5022, 11.0743



13.0445, 16.5022, 25.8487



18.2377, 16.5022, 27.2548



18.6594, 16.5022, 11.8781

Rectangle

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



13.3821, 16.5022, 11.0743



12.2620, 16.5022, 18.1280



18.2377, 16.5022, 27.2548



19.6919, 16.5022, 17.8091

Sweetspot

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



13.3825, 16.5029, 11.0747



28.7509, 31.7978, 30.0369



14.2828, 14.6477, 10.6691



6.7353, 7.4991, 6.9457



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.3825, 16.5029, 11.0747



22.6199, 28.9164, 17.1327



12.0982, 15.8276, 11.6141



3.7702, 4.1650, 3.9475



8.3436, 14.7056, 2.3987



39.7350, 71.1859, 11.6460

Inverse Universe

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



12.4048, 10.8327, 18.8908



20.5753, 17.0686, 33.4632



14.0190, 11.6843, 18.0911



3.6878, 3.6863, 4.6074



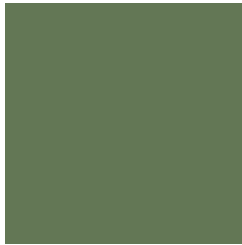
6.2107, 2.7931, 18.7543



29.2748, 13.1002, 91.3459

Previews

White Background



This preview shows how the XYZ color 13.3821, 16.5022, 11.0743 looks on a white background.

Color Contrast Check

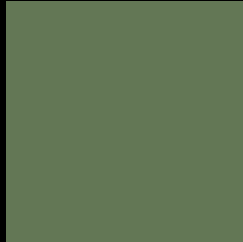
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3821, 16.5022, 11.0743 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

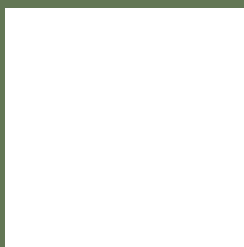
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.3821, 16.5022, 11.0743

Background



This preview shows how black text looks on a background with the XYZ color 13.3821, 16.5022, 11.0743.



This preview shows how white text looks on a background with the XYZ color 13.3821, 16.5022,

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

13.3821, 16.5022, 11.0743

Protanopia

15.3133, 16.4844, 10.3574

Deuteranopia

16.5986, 16.3188, 11.2918



Tritanopia

15.4182, 16.4679, 21.1049

Trichromacy



Original Color

13.3821, 16.5022, 11.0743

Protanomaly

14.5021, 16.3967, 10.5842

Deuteranomaly

15.2196, 16.2533, 11.1391

Tritanomaly

14.5992, 16.4785, 16.8792

Monochromacy



Original Color

13.3821, 16.5022, 11.0743

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.0311, 15.7336, 14.3540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3821, 16.5022, 11.0743 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(99, 119, 85)` looks like.

```
.text, #text, p{  
    color:rgb(99, 119, 85)  
}
```

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(99, 119, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 119, 85) }
```

Border

The CSS property to change the border of an element to XYZ 13.3821, 16.5022, 11.0743 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(99, 119, 85) }
```


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

```
.border{ border-color:rgb(99, 119, 85) }
```

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

Here you see how a box with a 4 pixel rgb(99, 119, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 119, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 119, 85);  
box-shadow:4px 4px 4px 4px rgb(99, 119,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3821, 16.5022, 11.0743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 119, 85) }
```

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

```
.background{ background-color: rgb(99, 119,  
85) }
```

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