

Converting Colors

XYZ(13.3523, 16.4849, 15.9324)

Have a look what the booklet for
XYZ(13.3523, 16.4849, 15.9324)
contains.

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Color

**XYZ(13.3861, 16.5767,
15.8587)**

Conversions

Conversions Part 1

Format	Color
Hex	597869
RGB	89, 120, 105
RGB Percent	35%, 47%, 41%
CMY	0.6510, 0.5294, 0.5882
CMYK	0.26, 0.00, 0.13, 0.53
HSL	151°, 15%, 41%
HSV	151°, 26%, 47%
XYZ	13.3861, 16.5767, 15.8587
YIQ	109.0210, -13.6610, -11.2370

Conversions

Conversions Part 2

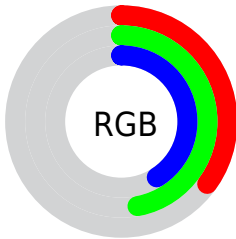
Format	Color
R_{YB}	89, 109, 120
Decimal	5863529
CIE _{Lab}	47.72, -14.52, 4.64
CIE _{LCh}	48, 15.246, 162.291
Yxy	16.5767, 0.2921, 0.3618
Android (android.graphics.Color)	4284053609 (0xFF597869)
YUV	109.0210, -1.9824, -17.5584
Hunter-Lab	40.7145, -12.5632, 5.4061

Details

The XYZ color **13.3861, 16.5767, 15.8587** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.8174, 12.1377, 14.7120**, and the grayscale version is **14.5504, 15.3081, 16.6705**.

A 20% lighter version of the original color is **31.5685, 37.4808, 37.0232**, and **3.9718, 5.3042, 4.8175** is the 20% darker color. If you saturate the color by 10%, you get **12.0388, 15.9159, 14.2906**, and if you desaturate by 10%, it is **14.9424, 17.3438, 17.5437**.

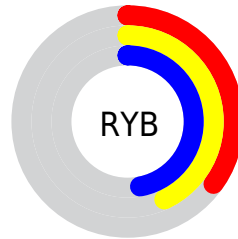
Distribution



Red (35%)

Green (47%)

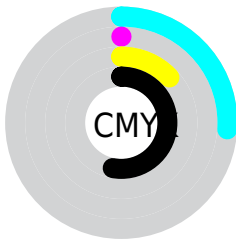
Blue (41%)



Red (35%)

Yellow (43%)

Blue (47%)

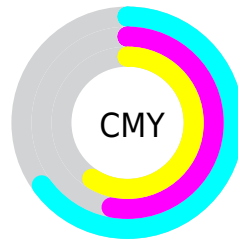


Cyan (26%)

Magenta (0%)

Yellow (13%)

Black (53%)



Cyan (65%)

Magenta (53%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3861, 16.5767, 15.8587 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 13.3861, 16.5767, 15.8587 by changing the saturation by 10% instead.

■ 13.3861, 16.5767,
15.8587

■ 13.3861, 16.5767,
15.8587

206.9655,
232.7211, 240.3237

■ 7.7738, 9.9332,
9.2710

■ 31.5912, 37.5965,
37.1161

■ 4.0011, 5.3547,
4.8191

■ 44.9146, 52.7416,
52.6228

■ 1.7028, 2.4568,
2.0846

■ 61.5391, 71.4893,
71.9396

■ 0.4580, 0.8549,
0.6066

■ 81.8301, 94.2240,
95.4850

■ 0.0000, 0.0000,
0.0000

■ 106.1529,
121.3302, 123.6776

134.8728,

153.1921, 156.9359

168.3552,
190.1943, 195.6784

■ 13.3861, 16.5767,
15.8587

■ 13.3861, 16.5767,
15.8587

■ 12.0388, 15.9159,
14.2906

■ 14.9424, 17.3438,
17.5437

■ 10.8898, 15.3546,
12.8358

■ 16.7153, 18.2197,
19.3469

■ 9.9291, 14.8881,
11.4920

■ 18.7135, 19.2093,
21.2711

■ 9.1456, 14.5107,
10.2563

■ 20.9450, 20.3166,
23.3186

■ 8.5268, 14.2161,
9.1259

■ 23.4172, 21.5456,
25.4917

■ 8.0585, 13.9969,
8.0977

■ 26.1373, 22.8997,
27.7926

■ 7.7148, 13.8400,
7.1680

■ 29.1121, 24.3825,
30.2233

■ 7.5844, 13.7806,
6.8080

■ 32.3482, 25.9974,
32.7859

■ 35.8519, 27.7476,
35.4825

Harmonies

Analogous

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



14.0553, 16.5767, 13.0418



13.3861, 16.5767, 15.8587



13.3286, 16.5767, 19.6965

Triad

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



13.3861, 16.5767, 15.8587



16.3208, 16.5767, 26.4316



17.7773, 16.5767, 13.4504

Complementary

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



13.3861, 16.5767, 15.8587



13.8174, 12.1377, 14.7120

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.



18.4608, 16.5767, 16.4964



13.3861, 16.5767, 15.8587



17.5879, 16.5767, 24.1978

Square

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



13.3861, 16.5767, 15.8587



14.9710, 16.5767, 26.1952



18.3895, 16.5767, 20.4327



16.5673, 16.5767, 11.7957

Rectangle

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



13.3861, 16.5767, 15.8587



13.6402, 16.5767, 22.3684



18.3895, 16.5767, 20.4327



18.0793, 16.5767, 14.3252

Sweetspot

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



13.3866, 16.5774, 15.8591



28.6263, 31.6621, 33.2581



14.2873, 17.1280, 12.0045



6.6865, 7.4553, 7.7836



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.



13.3866, 16.5774, 15.8591



22.0959, 28.4443, 26.2331



14.2270, 16.9136, 20.2849



4.0292, 4.4813, 4.6875



8.2666, 15.0303, 7.3889



39.0006, 71.5233, 32.9710

Inverse Universe

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



13.8174, 12.1377, 14.7120



22.9894, 19.2369, 23.8547



13.1218, 11.8595, 11.0490



4.0716, 4.0444, 4.5746



9.2781, 4.6874, 4.7552



43.8309, 22.1887, 20.4372

Previews

White Background



This preview shows how the XYZ color 13.3861, 16.5767, 15.8587 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 13.3861, 16.5767, 15.8587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

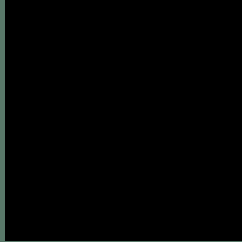
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3861, 16.5767, 15.8587

Background



This preview shows how black text looks on a background with the XYZ color 13.3861, 16.5767, 15.8587.

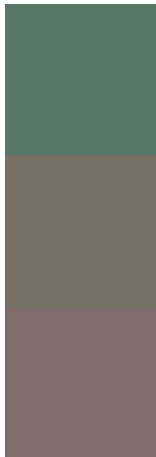


This preview shows how white text looks on a background with the XYZ color 13.3861, 16.5767,

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

13.3861, 16.5767, 15.8587

Protanopia

15.7253, 16.6014, 14.6875

Deuteranopia

16.7267, 16.4344, 16.2005



Tritanopia

14.6414, 16.5561, 22.1626

Trichromacy



Original Color

13.3861, 16.5767, 15.8587

Protanomaly

14.7071, 16.5759, 14.9947

Deuteranomaly

15.3167, 16.3616, 15.9865

Tritanomaly

14.1621, 16.5402, 19.5857

Monochromacy



Original Color

13.3861, 16.5767, 15.8587

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.0914, 15.7177, 16.4785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3861, 16.5767, 15.8587 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(89, 120, 105) looks like.

```
.text, #text, p{  
    color:rgb(89, 120, 105)  
}
```

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(89, 120, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 120, 105) }
```

Border

The CSS property to change the border of an element to XYZ 13.3861, 16.5767, 15.8587 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(89, 120, 105) }
```


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

```
.border{ border-color:rgb(89, 120, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 120, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 120, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 120, 105);  
box-shadow:4px 4px 4px 4px rgb(89, 120,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3861, 16.5767, 15.8587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 120, 105) }
```

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

```
.background{ background-color: rgb(89, 120,  
105) }
```

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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