

Converting Colors

XYZ(12.0248, 12.6049, 13.1319)

Have a look what the booklet for
XYZ(12.0248, 12.6049, 13.1319)
contains.

XYZ(11.9863, 12.5534, 13.1006)	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(11.9863, 12.5534,
13.1006)**

Conversions

Conversions Part 1

Format	Color
Hex	656361
RGB	101, 99, 97
RGB Percent	40%, 39%, 38%
CMY	0.6039, 0.6118, 0.6196
CMYK	0.00, 0.02, 0.04, 0.60
HSL	30°, 2%, 39%
HSV	30°, 4%, 40%
XYZ	11.9863, 12.5534, 13.1006
YIQ	99.3700, 1.8340, -0.1980

Conversions

Conversions Part 2

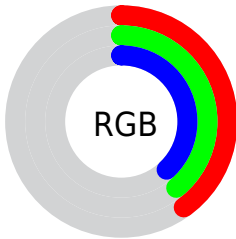
Format	Color
R_{YB}	101, 101, 97
Decimal	6644577
CIE _{Lab}	42.08, 0.38, 1.41
CIE _{LCh}	42, 1.458, 74.814
Yxy	12.5534, 0.3184, 0.3335
Android (android.graphics.Color)	4284834657 (0xFF656361)
YUV	99.3700, -1.1684, 1.4295
Hunter-Lab	35.4308, -1.6170, 2.8789

Details

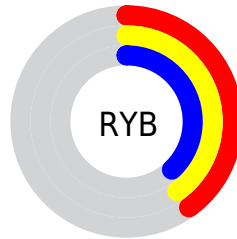
The XYZ color **11.9863, 12.5534, 13.1006** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.7406, 12.4045, 14.0875**, and the grayscale version is **11.9559, 12.5785, 13.6980**.

A 20% lighter version of the original color is **29.2005, 30.6262, 32.3894**, and **3.3920, 3.5695, 3.6422** is the 20% darker color. If you saturate the color by 10%, you get **11.0820, 11.4509, 10.6218**, and if you desaturate by 10%, it is **12.9812, 13.7407, 15.9058**.

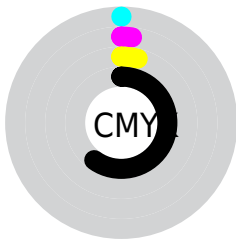
Distribution



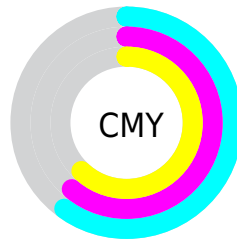
- Red (40%)
- Green (39%)
- Blue (38%)



- Red (40%)
- Yellow (40%)
- Blue (38%)



- Cyan (0%)
- Magenta (2%)
- Yellow (4%)
- Black (60%)



- Cyan (60%)
- Magenta (61%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9863, 12.5534, 13.1006 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 11.9863, 12.5534, 13.1006 by changing the saturation by 10% instead.

■ 11.9863, 12.5534,
13.1006

■ 11.9863, 12.5534,
13.1006

198.0863,
208.0353, 222.7918

■ 6.8065, 7.1217,
7.3663

■ 29.0872, 30.4991,
32.1782

■ 3.3866, 3.5384,
3.6103

■ 41.7390, 43.7819,
46.3587

■ 1.3614, 1.4188,
1.4141

■ 57.6122, 60.4506,
64.1915

■ 0.2284, 0.2305,
0.1527

■ 77.0722, 80.8894,
86.0954

■ 0.0000, 0.0000,
0.0000

100.4842,
105.4830, 112.4889

128.2137,

134.6155, 143.7904

160.6259,
168.6715, 180.4185

■ 11.9863, 12.5534,
13.1006

■ 11.9863, 12.5534,
13.1006

■ 11.0820, 11.4509,
10.6218

■ 12.9812, 13.7407,
15.9058

■ 10.2644, 10.4297,
8.4565

■ 14.0682, 15.0131,
19.0480

■ 9.5309, 9.4882,
6.5923

■ 15.2503, 16.3730,
22.5382

■ 8.8785, 8.6242,
5.0156

■ 16.5299, 17.8221,
26.3868

■ 8.3037, 7.8354,
3.7116

■ 17.9093, 19.3622,
30.6037

■ 7.8029, 7.1195,
2.6643

■ 19.3908, 20.9950,
35.1985

■ 7.3723, 6.4738,
1.8560

■ 20.9766, 22.7220,
40.1802

■ 7.0073, 5.8955,
1.2667

■ 22.6687, 24.5449,
45.5578

■ 6.7005, 5.3806,
0.8606

■ 24.4693, 26.4652,
51.3398

Harmonies

Analogous

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



12.0801, 12.5534, 13.2522



11.9863, 12.5534, 13.1006



11.8784, 12.5534, 13.0996

Triad

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



11.9863, 12.5534, 13.1006



11.7313, 12.5534, 13.8217



12.0791, 12.5534, 14.0963

Complementary

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



11.9863, 12.5534, 13.1006



11.7406, 12.4045, 14.0875

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.



11.9850, 12.5534, 14.2536



11.9863, 12.5534, 13.1006



11.7844, 12.5534, 14.0935

Square

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



11.9863, 12.5534, 13.1006



11.7316, 12.5534, 13.5128



11.8771, 12.5534, 14.2526



12.1339, 12.5534, 13.8254

Rectangle

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



11.9863, 12.5534, 13.1006



11.8131, 12.5534, 13.1844



11.8771, 12.5534, 14.2526



12.0510, 12.5534, 14.1644

Sweetspot

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



11.9867, 12.5539, 13.1009



21.0625, 22.1343, 23.8439



11.8938, 12.2171, 13.5358



5.1861, 5.4506, 5.8770



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



11.9867, 12.5539, 13.1009



20.3869, 21.3211, 21.9600



12.1783, 12.9372, 13.1648



3.0156, 3.1530, 3.2395



8.5216, 6.5964, 0.8241



43.5692, 32.6523, 4.0062

Inverse Universe

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



11.7406, 12.4045, 14.0875



19.8426, 20.9906, 24.1425



11.5536, 12.0306, 14.0252



2.9317, 3.1020, 3.5762



4.5594, 4.1906, 16.7129



22.9044, 20.1054, 86.8749

Previews

White Background



This preview shows how the XYZ color 11.9863, 12.5534, 13.1006 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 11.9863, 12.5534, 13.1006 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

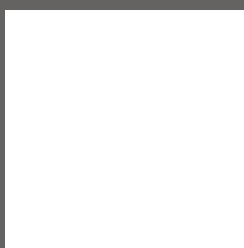
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.9863, 12.5534, 13.1006

Background



This preview shows how black text looks on a background with the XYZ color 11.9863, 12.5534, 13.1006.



This preview shows how white text looks on a background with the XYZ color 11.9863, 12.5534,

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

11.9863, 12.5534, 13.1006

Protanopia

12.0990, 12.6115, 13.1058

Deuteranopia

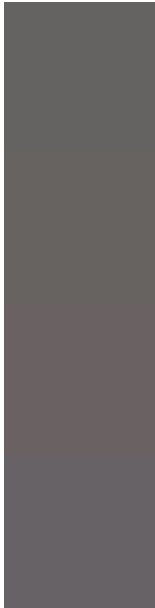
12.6942, 12.4988, 13.2987



Tritanopia

12.3970, 12.5801, 15.1394

Trichromacy



Original Color

11.9863, 12.5534, 13.1006

Protanomaly

12.0990, 12.6115, 13.1058

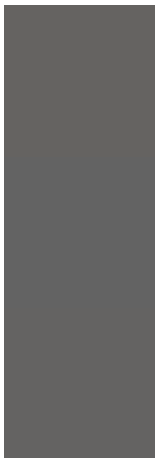
Deuteranomaly

12.4232, 12.4954, 13.3124

Tritanomaly

12.2454, 12.5195, 14.3415

Monochromacy



Original Color

11.9863, 12.5534, 13.1006

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.9220, 12.5148, 13.3425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9863, 12.5534, 13.1006 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(101, 99, 97)` looks like.

```
.text, #text, p{  
    color:rgb(101, 99, 97)  
}
```

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(101, 99, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 99, 97) }
```

Border

The CSS property to change the border of an element to XYZ 11.9863, 12.5534, 13.1006 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(101, 99, 97) }
```


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

```
.border{ border-color:rgb(101, 99, 97) }
```

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

Here you see how a box with a 4 pixel rgb(101, 99, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 99, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 99, 97);  
box-shadow:4px 4px 4px 4px rgb(101, 99,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9863, 12.5534, 13.1006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 99, 97) }
```

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

```
.background{ background-color: rgb(101, 99,  
97) }
```

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