

Converting Colors

XYZ(12.0033, 12.9844, 13.5281)

Have a look what the booklet for
XYZ(12.0033, 12.9844, 13.5281)
contains.

XYZ(11.9930, 12.9813, 13.4288)	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(11.9930, 12.9813,
13.4288)**

Conversions

Conversions Part 1

Format	Color
Hex	626662
RGB	98, 102, 98
RGB Percent	38%, 40%, 38%
CMY	0.6157, 0.6000, 0.6157
CMYK	0.04, 0.00, 0.04, 0.60
HSL	120°, 2%, 39%
HSV	120°, 4%, 40%
XYZ	11.9930, 12.9813, 13.4288
YIQ	100.3480, -1.1000, -2.0920

Conversions

Conversions Part 2

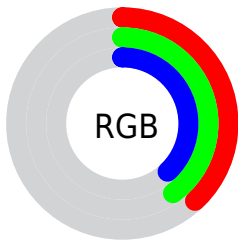
Format	Color
R_{YB}	98, 102, 102
Decimal	6448738
CIE _{Lab}	42.74, -2.38, 1.71
CIE _{LCh}	43, 2.936, 144.289
Yxy	12.9813, 0.3123, 0.3380
Android (android.graphics.Color)	4284638818 (0xFF626662)
YUV	100.3480, -1.1576, -2.0592
Hunter-Lab	36.0296, -3.6353, 3.1224

Details

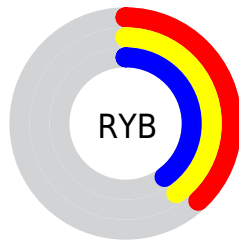
The XYZ color **11.9930, 12.9813, 13.4288** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.2460, 12.5198, 14.3422**, and the grayscale version is **12.2054, 12.8411, 13.9839**.

A 20% lighter version of the original color is **29.2105, 31.3420, 32.9438**, and **3.4022, 3.7104, 3.7857** is the 20% darker color. If you saturate the color by 10%, you get **10.5105, 12.2696, 11.0035**, and if you desaturate by 10%, it is **13.6779, 13.7910, 16.1845**.

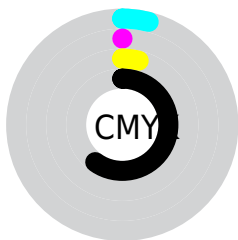
Distribution



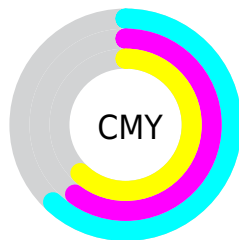
- Red (38%)
- Green (40%)
- Blue (38%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9930, 12.9813, 13.4288 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 11.9930, 12.9813, 13.4288 by changing the saturation by 10% instead.

■ 11.9930, 12.9813,
13.4288

■ 11.9930, 12.9813,
13.4288

198.1298,
210.7978, 224.9513

■ 6.8111, 7.4157,
7.5903

■ 29.0993, 31.2702,
32.7744

■ 3.3895, 3.7234,
3.7499

■ 41.7544, 44.7622,
47.1186

■ 1.3629, 1.5201,
1.4892

■ 57.6313, 61.6652,
65.1351

■ 0.2296, 0.3028,
0.2099

■ 77.0953, 82.3635,
87.2425

■ 0.0000, 0.0000,
0.0000

100.5118,
107.2415, 113.8593

128.2462,

136.6836, 145.4040

160.6637,
171.0743, 182.2951

■ 11.9930, 12.9813,
13.4288

■ 11.9930, 12.9813,
13.4288

■ 10.5105, 12.2696,
11.0035

■ 13.6779, 13.7910,
16.1845

■ 9.2217, 11.6505,
8.8955

■ 15.5714, 14.7006,
19.2816

■ 8.1191, 11.1208,
7.0919

■ 17.6805, 15.7137,
22.7314

■ 7.1939, 10.6764,
5.5787

■ 20.0118, 16.8335,
26.5446

■ 6.4370, 10.3128,
4.3406

■ 22.5714, 18.0630,
30.7314

■ 5.8382, 10.0252,
3.3611

■ 25.3655, 19.4052,
35.3016

■ 5.3863, 9.8082,
2.6220

■ 28.3996, 20.8626,
40.2645

■ 5.0687, 9.6556,
2.1026

■ 31.6795, 22.4381,
45.6294

■ 4.8632, 9.5569,
1.7663

■ 35.2104, 24.1342,
51.4049

Harmonies

Analogous

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



12.1626, 12.9813, 13.0430



11.9930, 12.9813, 13.4288



11.9160, 12.9813, 14.0124

Triad

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



11.9930, 12.9813, 13.4288



12.2957, 12.9813, 15.3936



12.7338, 12.9813, 13.6347

Complementary

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



11.9930, 12.9813, 13.4288



12.2460, 12.5198, 14.3422

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.



12.7705, 12.9813, 14.2571



11.9930, 12.9813, 13.4288



12.5158, 12.9813, 15.2851

Square

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



11.9930, 12.9813, 13.4288



12.0894, 12.9813, 15.1565



12.6902, 12.9813, 14.8644



12.5906, 12.9813, 13.1594

Rectangle

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



11.9930, 12.9813, 13.4288



11.9269, 12.9813, 14.4401



12.6902, 12.9813, 14.8644



12.7591, 12.9813, 13.8331

Sweetspot

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



11.9934, 12.9819, 13.4291



21.8508, 23.1591, 24.8887



12.4361, 13.2101, 13.4498



5.1609, 5.4663, 5.8814



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.



11.9934, 12.9819, 13.4291



20.6966, 22.6047, 23.0008



12.0891, 13.0201, 13.9330



2.9322, 3.2075, 3.2544



6.1023, 12.2045, 2.0341



31.8266, 63.6532, 10.6089

Inverse Universe

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



12.2460, 12.5198, 14.3422



21.2729, 21.5505, 25.0841



12.1479, 12.4806, 13.8258



3.0173, 3.0518, 3.5620



10.1175, 4.8600, 16.5490



52.7683, 25.3473, 86.3119

Previews

White Background



This preview shows how the XYZ color 11.9930, 12.9813, 13.4288 looks on a white background.

Color Contrast Check

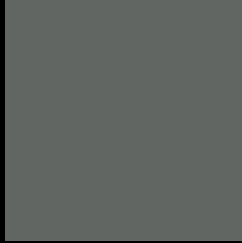
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.9930, 12.9813, 13.4288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

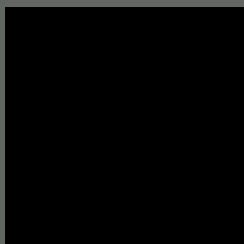
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

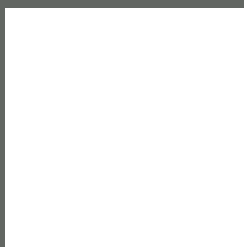
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.9930, 12.9813, 13.4288

Background



This preview shows how black text looks on a background with the XYZ color 11.9930, 12.9813, 13.4288.



This preview shows how white text looks on a background with the XYZ color 11.9930, 12.9813,

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

11.9930, 12.9813, 13.4288

Protanopia

12.3084, 12.8610, 13.1430

Deuteranopia

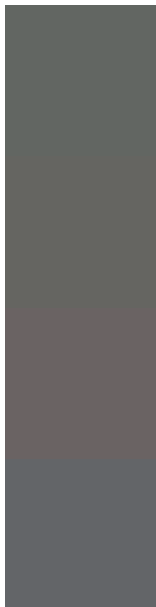
13.1754, 13.0157, 13.6222



Tritanopia

12.5195, 12.9064, 16.0187

Trichromacy



Original Color

11.9930, 12.9813, 13.4288

Protanomaly

12.1782, 12.9371, 13.1645

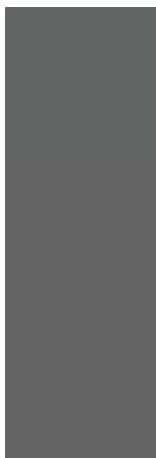
Deuteranomaly

12.6578, 12.8887, 13.6250

Tritanomaly

12.2980, 12.9595, 14.9500

Monochromacy



Original Color

11.9930, 12.9813, 13.4288

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.0514, 12.8609, 13.6516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9930, 12.9813, 13.4288 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(98, 102, 98) looks like.

```
.text, #text, p{  
    color:rgb(98, 102, 98)  
}
```

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(98, 102, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 102, 98) }
```

Border

The CSS property to change the border of an element to XYZ 11.9930, 12.9813, 13.4288 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(98, 102, 98) }
```


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

```
.border{ border-color:rgb(98, 102, 98) }
```

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

Here you see how a box with a 4 pixel rgb(98, 102, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 102, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 102, 98);  
box-shadow:4px 4px 4px 4px rgb(98, 102,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9930, 12.9813, 13.4288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 102, 98) }
```

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

```
.background{ background-color: rgb(98, 102,  
98) }
```

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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