

Converting Colors

XYZ(12.5701, 12.9801, 13.4153)

Have a look what the booklet for
XYZ(12.5701, 12.9801, 13.4153)
contains.

XYZ(12.5875, 12.9994, 13.4010)	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(12.5875, 12.9994,
13.4010)**

Conversions

Conversions Part 1

Format	Color
Hex	696462
RGB	105, 100, 98
RGB Percent	41%, 39%, 38%
CMY	0.5882, 0.6078, 0.6157
CMYK	0.00, 0.05, 0.07, 0.59
HSL	17°, 3%, 40%
HSV	17°, 7%, 41%
XYZ	12.5875, 12.9994, 13.4010
YIQ	101.2670, 3.6220, 0.4380

Conversions

Conversions Part 2

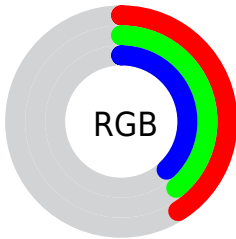
Format	Color
R_{YB}	105, 101, 98
Decimal	6906978
CIE _{Lab}	42.76, 1.58, 1.83
CIE _{LCh}	43, 2.414, 49.276
Yxy	12.9994, 0.3229, 0.3334
Android (android.graphics.Color)	4285097058 (0xFF696462)
YUV	101.2670, -1.6106, 3.2738
Hunter-Lab	36.0547, -0.7773, 3.2010

Details

The XYZ color **12.5875, 12.9994, 13.4010** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.4372, 13.3171, 15.2798**, and the grayscale version is **12.4423, 13.0903, 14.2553**.

A 20% lighter version of the original color is **30.2017, 31.3711, 32.8972**, and **3.6379, 3.6937, 3.7700** is the 20% darker color. If you saturate the color by 10%, you get **11.4376, 11.4416, 10.7301**, and if you desaturate by 10%, it is **13.8694, 14.7168, 16.4372**.

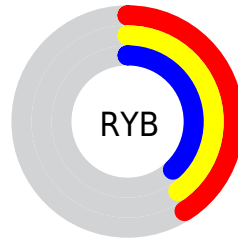
Distribution



Red (41%)

Green (39%)

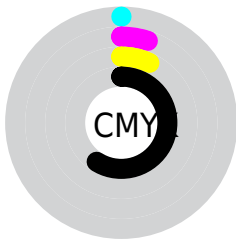
Blue (38%)



Red (41%)

Yellow (40%)

Blue (38%)

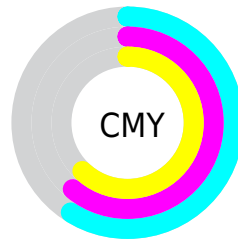


Cyan (0%)

Magenta (5%)

Yellow (7%)

Black (59%)



Cyan (59%)

Magenta (61%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5875, 12.9994, 13.4010 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 12.5875, 12.9994, 13.4010 by changing the saturation by 10% instead.

■ 12.5875, 12.9994,
13.4010

■ 12.5875, 12.9994,
13.4010

201.9483,
210.9138, 224.7692

■ 7.2202, 7.4281,
7.5713

■ 30.1684, 31.3027,
32.7240

■ 3.6477, 3.7313,
3.7381

■ 43.1126, 44.8035,
47.0544

■ 1.5048, 1.5244,
1.4828

■ 59.3131, 61.7163,
65.0555

■ 0.3291, 0.3058,
0.2050

■ 79.1354, 82.4255,
87.1457

■ 0.0000, 0.0000,
0.0000

102.9446,
107.3155, 113.7436

131.1063,

136.7706, 145.2678

163.9858,
171.1752, 182.1369

■ 12.5875, 12.9994,
13.4010

■ 12.5875, 12.9994,
13.4010

■ 11.4376, 11.4416,
10.7301

■ 13.8694, 14.7168,
16.4372

■ 10.4144, 10.0371,
8.4098

■ 15.2862, 16.5963,
19.8508

■ 9.5136, 8.7818,
6.4256

■ 16.8423, 18.6429,
23.6547

■ 8.7304, 7.6705,
4.7618

■ 18.5414, 20.8606,
27.8607

■ 8.0598, 6.6979,
3.4015

■ 20.3871, 23.2531,
32.4801

■ 7.4961, 5.8584,
2.3258

■ 22.3829, 25.8244,
37.5238

■ 7.0332, 5.1459,
1.5143

■ 24.5321, 28.5781,
43.0024

■ 6.6645, 4.5538,
0.9432

■ 26.8379, 31.5177,
48.9259

■ 6.3756, 4.0723,
0.5505

■ 29.3036, 34.6466,
55.3042

Harmonies

Analogous

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



12.6921, 12.9994, 13.8227



12.5875, 12.9994, 13.4010



12.4214, 12.9994, 13.1830

Triad

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



12.5875, 12.9994, 13.4010



12.0116, 12.9994, 13.9667



12.4726, 12.9994, 15.1310

Complementary

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



12.5875, 12.9994, 13.4010



12.4372, 13.3171, 15.2798

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.



12.2899, 12.9994, 15.1719



12.5875, 12.9994, 13.4010



12.0250, 12.9994, 14.4908

Square

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



12.5875, 12.9994, 13.4010



12.0897, 12.9994, 13.5041



12.1264, 12.9994, 14.9350



12.6253, 12.9994, 14.8247

Rectangle

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



12.5875, 12.9994, 13.4010



12.2987, 12.9994, 13.1787



12.1264, 12.9994, 14.9350



12.4126, 12.9994, 15.1765

Sweetspot

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



12.5879, 13.0000, 13.4013



23.5677, 24.6588, 26.4192



12.6427, 12.7185, 14.6252



5.5301, 5.7888, 6.2108



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



12.5879, 13.0000, 13.4013



22.2024, 22.8228, 23.2059



12.9290, 13.6823, 13.5150



3.1637, 3.2447, 3.2770



7.9354, 4.9205, 0.5315



39.7761, 23.7557, 2.4889

Inverse Universe

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



12.4372, 13.3171, 15.2798



21.8725, 23.5168, 27.3174



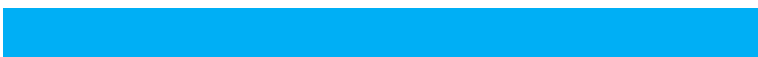
12.0980, 12.6387, 15.1668



3.1123, 3.3529, 3.9180



6.3805, 7.5953, 18.0520



31.7437, 37.1659, 91.7269

Previews

White Background



This preview shows how the XYZ color 12.5875, 12.9994, 13.4010 looks on a white background.

Color Contrast Check

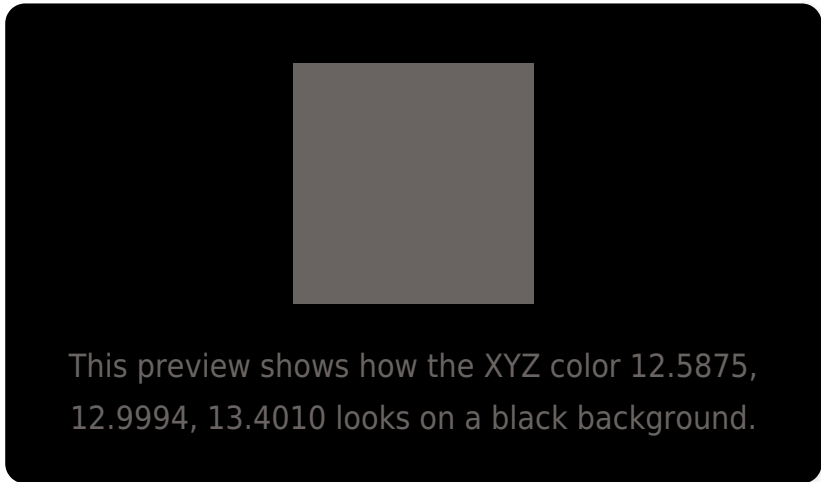
Large Text (above 18pt) WCAG AA ✓ Pass

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

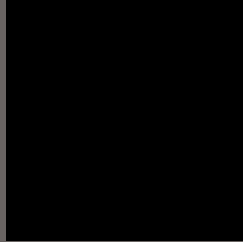
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5875, 12.9994, 13.4010

Background



This preview shows how black text looks on a background with the XYZ color 12.5875, 12.9994, 13.4010.



This preview shows how white text looks on a background with the XYZ color 12.5875, 12.9994,

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

12.5875, 12.9994, 13.4010

Protanopia

12.4518, 13.0728, 13.4223

Deuteranopia

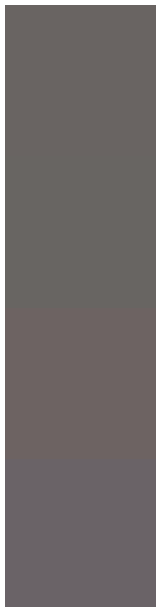
13.2544, 13.0620, 13.3779



Tritanopia

13.0072, 13.0285, 15.4649

Trichromacy



Original Color

12.5875, 12.9994, 13.4010

Protanomaly

12.5672, 13.1323, 13.4277

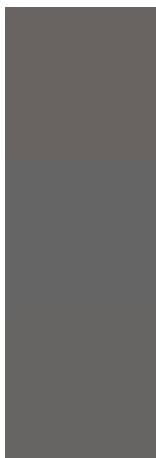
Deuteranomaly

12.9731, 13.0567, 13.3917

Tritanomaly

12.8539, 12.9671, 14.6574

Monochromacy



Original Color

12.5875, 12.9994, 13.4010

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.4334, 13.0522, 13.9206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5875, 12.9994, 13.4010 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(105, 100, 98)` looks like.

```
.text, #text, p{  
    color:rgb(105, 100, 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(105, 100, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 100, 98) }
```

Border

The CSS property to change the border of an element to XYZ 12.5875, 12.9994, 13.4010 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(105, 100, 98) }
```


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

```
.border{ border-color:rgb(105, 100, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 100, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 100, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 100, 98);  
box-shadow:4px 4px 4px 4px rgb(105, 100,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5875, 12.9994, 13.4010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 100, 98) }
```

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

```
.background{ background-color: rgb(105,  
100, 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](#).

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