

Converting Colors

XYZ(12.6865, 14.1692, 13.2642)

Have a look what the booklet for
XYZ(12.6865, 14.1692, 13.2642)
contains.

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Color

**XYZ(12.6709, 14.0878,
13.3606)**

Conversions

Conversions Part 1

Format	Color
Hex	646B61
RGB	100, 107, 97
RGB Percent	39%, 42%, 38%
CMY	0.6078, 0.5804, 0.6196
CMYK	0.07, 0.00, 0.09, 0.58
HSL	102°, 5%, 40%
HSV	102°, 9%, 42%
XYZ	12.6709, 14.0878, 13.3606
YIQ	103.7670, -0.9620, -4.5940

Conversions

Conversions Part 2

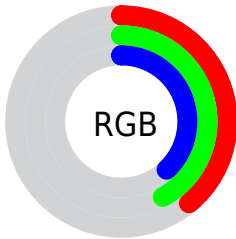
Format	Color
R_{YB}	97, 107, 104
Decimal	6581089
CIE Lab	44.36, -4.74, 4.68
CIE LCh	44, 6.665, 135.374
Yxy	14.0878, 0.3158, 0.3511
Android (android.graphics.Color)	4284771169 (0xFF646B61)
YUV	103.7670, -3.3361, -3.3037
Hunter-Lab	37.5337, -5.4247, 5.1686

Details

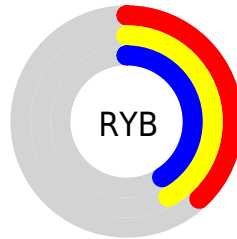
The XYZ color **12.6709, 14.0878, 13.3606** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.6380, 12.5543, 15.6678**, and the grayscale version is **13.1050, 13.7875, 15.0145**.

A 20% lighter version of the original color is **30.3347, 33.1711, 32.8208**, and **3.6816, 4.2276, 3.7539** is the 20% darker color. If you saturate the color by 10%, you get **11.4146, 13.4944, 10.8707**, and if you desaturate by 10%, it is **14.0715, 14.7487, 16.2092**.

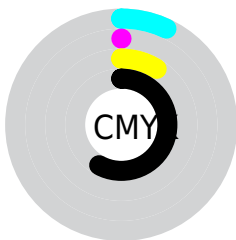
Distribution



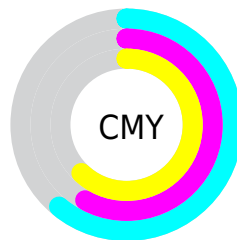
- Red (39%)
- Green (42%)
- Blue (38%)



- Red (38%)
- Yellow (42%)
- Blue (41%)



- Cyan (7%)
- Magenta (0%)
- Yellow (9%)
- Black (58%)



- Cyan (61%)
- Magenta (58%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6709, 14.0878, 13.3606 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 12.6709, 14.0878, 13.3606 by changing the saturation by 10% instead.

■ 12.6709, 14.0878,
13.3606

■ 12.6709, 14.0878,
13.3606

202.4781,
217.7764, 224.5043

■ 7.2778, 8.1818,
7.5437

■ 30.3176, 33.2447,
32.6507

■ 3.6843, 4.2115,
3.7208

■ 43.3019, 47.2644,
46.9611

■ 1.5251, 1.7925,
1.4735

■ 59.5473, 64.7574,
64.9396

■ 0.3428, 0.4825,
0.1980

■ 79.4192, 86.1082,
87.0049

■ 0.0000, 0.0000,
0.0000

103.2828,
111.7010, 113.5754

131.5036,

141.9204, 145.0699

164.4469,
177.1507, 181.9066

■ 12.6709, 14.0878,
13.3606

■ 12.6709, 14.0878,
13.3606

■ 11.4146, 13.4944,
10.8707

■ 14.0715, 14.7487,
16.2092

■ 10.2967, 12.9644,
8.7245

■ 15.6198, 15.4772,
19.4289

■ 9.3126, 12.4963,
6.9070

■ 17.3204, 16.2758,
23.0329

■ 8.4570, 12.0877,
5.4021

■ 19.1774, 17.1465,
27.0332

■ 7.7243, 11.7360,
4.1920

■ 21.1948, 18.0911,
31.4414

■ 7.1083, 11.4384,
3.2573

■ 23.3763, 19.1111,
36.2686

■ 6.6023, 11.1921,
2.5764

■ 25.7257, 20.2084,
41.5254

■ 6.1987, 10.9937,
2.1241

■ 28.2466, 21.3844,
47.2222

■ 5.8758, 10.8340,
1.8015

■ 30.9423, 22.6408,
53.3688

Harmonies

Analogous

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



13.1191, 14.0878, 12.6693



12.6709, 14.0878, 13.3606



12.4188, 14.0878, 14.6070

Triad

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



12.6709, 14.0878, 13.3606



13.1318, 14.0878, 18.3713



14.4070, 14.0878, 14.5711

Complementary

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



12.6709, 14.0878, 13.3606



12.6380, 12.5543, 15.6678

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.



14.4107, 14.0878, 16.0955



12.6709, 14.0878, 13.3606



13.6647, 14.0878, 18.3601

Square

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



12.6709, 14.0878, 13.3606



12.6800, 14.0878, 17.5338



14.1359, 14.0878, 17.5041



14.1260, 14.0878, 13.3358

Rectangle

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



12.6709, 14.0878, 13.3606



12.3914, 14.0878, 15.6169



14.1359, 14.0878, 17.5041



14.4409, 14.0878, 15.0649

Sweetspot

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



12.6713, 14.0884, 13.3609



24.2281, 25.9522, 27.0407



13.1720, 13.8901, 13.2962



5.8216, 6.2615, 6.4580



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.6713, 14.0884, 13.3609



22.2267, 25.0079, 22.9982



12.4400, 13.9583, 13.8432



3.1415, 3.4847, 3.3245



7.0957, 13.1531, 2.1648



35.3720, 66.6170, 10.9941

Inverse Universe

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



12.6380, 12.5543, 15.6678



22.1554, 21.7259, 27.9335



12.8884, 12.6954, 15.1364



3.1336, 3.1206, 3.8721



6.7184, 3.0905, 17.1647



33.3271, 15.2804, 87.4191

Previews

White Background



This preview shows how the XYZ color 12.6709, 14.0878, 13.3606 looks on a white background.

Color Contrast Check

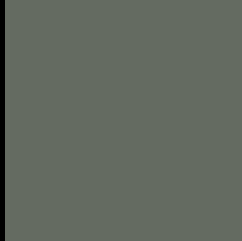
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.6709, 14.0878, 13.3606 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

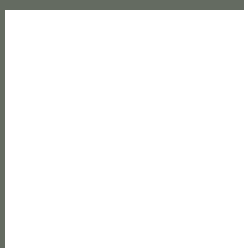
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.6709, 14.0878, 13.3606

Background



This preview shows how black text looks on a background with the XYZ color 12.6709, 14.0878, 13.3606.



This preview shows how white text looks on a background with the XYZ color 12.6709, 14.0878,

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

12.6709, 14.0878, 13.3606

Protanopia

13.3683, 13.9964, 13.0633

Deuteranopia

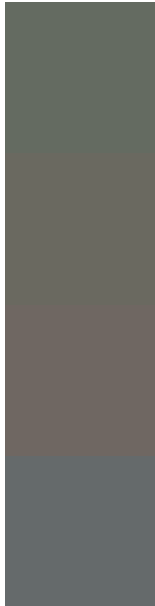
14.1944, 13.9711, 13.5038



Tritanopia

13.5117, 14.1202, 17.6361

Trichromacy



Original Color

12.6709, 14.0878, 13.3606

Protanomaly

13.1068, 14.0119, 13.0801

Deuteranomaly

13.6104, 13.9618, 13.5328

Tritanomaly

13.1747, 14.1363, 15.9441

Monochromacy



Original Color

12.6709, 14.0878, 13.3606

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.9941, 13.9263, 14.3151

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6709, 14.0878, 13.3606 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(100, 107, 97)` looks like.

```
.text, #text, p{  
    color:rgb(100, 107, 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(100, 107, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 107, 97) }
```

Border

The CSS property to change the border of an element to XYZ 12.6709, 14.0878, 13.3606 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(100, 107, 97) }
```


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

```
.border{ border-color:rgb(100, 107, 97) }
```

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

Here you see how a box with a 4 pixel rgb(100, 107, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 107, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 107, 97);  
box-shadow:4px 4px 4px 4px rgb(100, 107,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6709, 14.0878, 13.3606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 107, 97) }
```

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

```
.background{ background-color: rgb(100,  
107, 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](#).

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