

Converting Colors

XYZ(12.8125, 13.9180, 12.7922)

Have a look what the booklet for
XYZ(12.8125, 13.9180, 12.7922)
contains.

XYZ(12.8261, 13.8724, 12.8281)	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(12.8261, 13.8724,
12.8281)**

Conversions

Conversions Part 1

Format	Color
Hex	68695F
RGB	104, 105, 95
RGB Percent	41%, 41%, 37%
CMY	0.5922, 0.5882, 0.6274
CMYK	0.01, 0.00, 0.10, 0.59
HSL	66°, 5%, 39%
HSV	66°, 10%, 41%
XYZ	12.8261, 13.8724, 12.8281
YIQ	103.5610, 2.6140, -3.3220

Conversions

Conversions Part 2

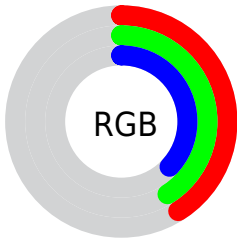
Format	Color
R_{YB}	95, 105, 96
Decimal	6842719
CIE Lab	44.05, -2.37, 5.49
CIE LCh	44, 5.978, 113.379
Yxy	13.8724, 0.3245, 0.3510
Android (android.graphics.Color)	4285032799 (0xFF68695F)
YUV	103.5610, -4.2206, 0.3850
Hunter-Lab	37.2457, -3.7108, 5.6514

Details

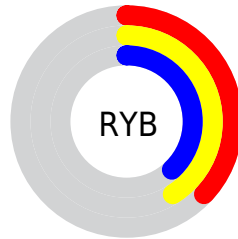
The XYZ color **12.8261, 13.8724, 12.8281** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.4663, 11.6914, 15.0176**, and the grayscale version is **13.0517, 13.7314, 14.9534**.

A 20% lighter version of the original color is **30.5169, 32.7898, 31.5087**, and **3.7548, 4.1177, 3.5026** is the 20% darker color. If you saturate the color by 10%, you get **12.2595, 13.6322, 10.4758**, and if you desaturate by 10%, it is **13.4593, 14.1403, 15.5200**.

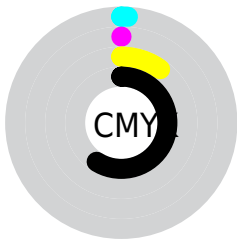
Distribution



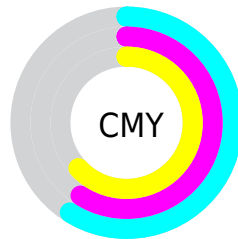
- Red (41%)
- Green (41%)
- Blue (37%)



- Red (37%)
- Yellow (41%)
- Blue (38%)



- Cyan (1%)
- Magenta (0%)
- Yellow (10%)
- Black (59%)



- Cyan (59%)
- Magenta (59%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8261, 13.8724, 12.8281 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 12.8261, 13.8724, 12.8281 by changing the saturation by 10% instead.

■ 12.8261, 13.8724,
12.8281

■ 12.8261, 13.8724,
12.8281

203.4603,
216.4356, 220.9820

■ 7.3851, 8.0320,
7.1809

■ 30.5950, 32.8625,
31.6813

■ 3.7525, 4.1154,
3.4954

■ 43.6536, 46.7809,
45.7243

■ 1.5631, 1.7383,
1.3528

■ 59.9820, 64.1607,
63.4032

■ 0.3682, 0.4483,
0.1045

■ 79.9458, 85.3864,
85.1362

■ 0.0000, 0.0000,
0.0000

103.9101,
110.8424, 111.3421

132.2404,

140.9129, 142.4394

165.3020,
175.9825, 178.8465

■ 12.8261, 13.8724,
12.8281

■ 12.8261, 13.8724,
12.8281

■ 12.2595, 13.6322,
10.4758

■ 13.4593, 14.1403,
15.5200

■ 11.7559, 13.4169,
8.4488

■ 14.1604, 14.4351,
18.5633

■ 11.3129, 13.2261,
6.7329

■ 14.9321, 14.7584,
21.9704

■ 10.9275, 13.0584,
5.3127

■ 15.7767, 15.1109,
25.7527

■ 10.5966, 12.9128,
4.1716

■ 16.6960, 15.4935,
29.9213

■ 10.3167, 12.7877,
3.2910

■ 17.6923, 15.9071,
34.4867

■ 10.0838, 12.6815,
2.6503

■ 18.7674, 16.3524,
39.4589

■ 9.8934, 12.5926,
2.2257

■ 19.9231, 16.8301,
44.8477

■ 9.7264, 12.5132,
1.9170

■ 21.1613, 17.3410,
50.6627

Harmonies

Analogous

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



13.2909, 13.8724, 12.6519



12.8261, 13.8724, 12.8281



12.4656, 13.8724, 13.5971

Triad

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



12.8261, 13.8724, 12.8281



12.6478, 13.8724, 17.3034



14.1138, 13.8724, 15.4084

Complementary

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



12.8261, 13.8724, 12.8281



11.4663, 11.6914, 15.0176

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.



13.9322, 13.8724, 16.7198



12.8261, 13.8724, 12.8281



13.0802, 13.8724, 17.8556

Square

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



12.8261, 13.8724, 12.8281



12.3644, 13.8724, 16.1669



13.5511, 13.8724, 17.6358



14.0418, 13.8724, 14.0901

Rectangle

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



12.8261, 13.8724, 12.8281



12.3291, 13.8724, 14.3686



13.5511, 13.8724, 17.6358



14.0802, 13.8724, 15.8655

Sweetspot

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



12.8265, 13.8730, 12.8284



23.6821, 25.1428, 26.0018



12.0745, 12.1956, 12.5443



5.5293, 5.8820, 6.0130



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.



12.8265, 13.8730, 12.8284



22.7759, 24.7595, 22.1712



12.2632, 13.5826, 12.8020



3.3048, 3.5689, 3.3321



12.2878, 15.8298, 2.4078



62.1969, 80.4458, 12.2495

Inverse Universe

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



11.4663, 11.6914, 15.0176



19.9156, 20.1718, 26.7749



12.0092, 11.9713, 15.0430



2.9740, 3.0383, 3.8646



3.3766, 1.3677, 17.0083



16.8397, 6.7808, 86.6475

Previews

White Background



This preview shows how the XYZ color 12.8261, 13.8724, 12.8281 looks on a white background.

Color Contrast Check

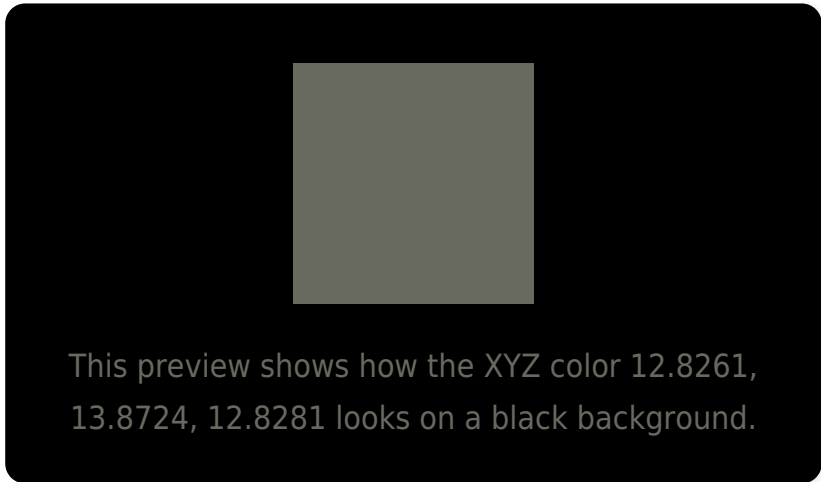
Large Text (above 18pt) WCAG AA ✓ Pass

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

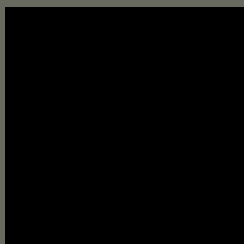
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

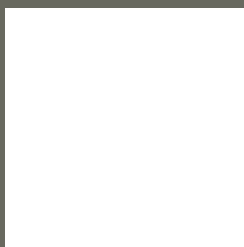
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.8261, 13.8724, 12.8281

Background



This preview shows how black text looks on a background with the XYZ color 12.8261, 13.8724, 12.8281.



This preview shows how white text looks on a background with the XYZ color 12.8261, 13.8724,

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

12.8261, 13.8724, 12.8281

Protanopia

13.1550, 13.8969, 12.5787

Deuteranopia

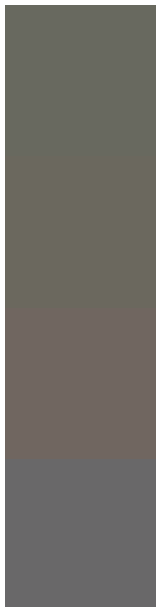
14.0046, 13.7408, 12.9804



Tritanopia

13.6633, 13.9124, 17.0041

Trichromacy



Original Color

12.8261, 13.8724, 12.8281

Protanomaly

13.0341, 13.8346, 12.5730

Deuteranomaly

13.5448, 13.7920, 13.0146

Tritanomaly

13.3258, 13.9238, 15.3498

Monochromacy



Original Color

12.8261, 13.8724, 12.8281

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.0082, 13.7833, 14.2867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8261, 13.8724, 12.8281 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(104, 105, 95)` looks like.

```
.text, #text, p{  
    color:rgb(104, 105, 95)  
}
```

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(104, 105, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 105, 95) }
```

Border

The CSS property to change the border of an element to XYZ 12.8261, 13.8724, 12.8281 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(104, 105, 95) }
```


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

```
.border{ border-color:rgb(104, 105, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 105, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 105, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 105, 95);  
box-shadow:4px 4px 4px 4px rgb(104, 105,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8261, 13.8724, 12.8281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 105, 95) }
```

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

```
.background{ background-color: rgb(104,  
105, 95) }
```

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