

Converting Colors

XYZ(12.9661, 14.2587, 13.2295)

Have a look what the booklet for
XYZ(12.9661, 14.2587, 13.2295)
contains.

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Color

**XYZ(12.9625, 14.2435,
13.1324)**

Conversions

Conversions Part 1

Format	Color
Hex	676B60
RGB	103, 107, 96
RGB Percent	40%, 42%, 38%
CMY	0.5961, 0.5804, 0.6235
CMYK	0.04, 0.00, 0.10, 0.58
HSL	82°, 5%, 40%
HSV	82°, 10%, 42%
XYZ	12.9625, 14.2435, 13.1324
YIQ	104.5500, 1.1470, -4.2690

Conversions

Conversions Part 2

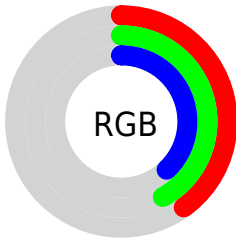
Format	Color
R_{YB}	96, 107, 100
Decimal	6777696
CIE _{Lab}	44.58, -3.75, 5.63
CIE _{LCh}	45, 6.769, 123.680
Yxy	14.2435, 0.3213, 0.3531
Android (android.graphics.Color)	4284967776 (0xFF676B60)
YUV	104.5500, -4.2151, -1.3593
Hunter-Lab	37.7406, -4.7378, 5.7875

Details

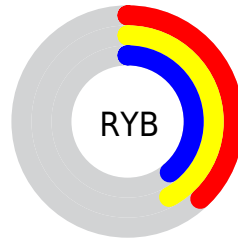
The XYZ color **12.9625, 14.2435, 13.1324** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.0929, 12.1370, 15.6160**, and the grayscale version is **13.3168, 14.0104, 15.2573**.

A 20% lighter version of the original color is **30.7416, 33.3991, 32.0205**, and **3.8225, 4.3028, 3.6467** is the 20% darker color. If you saturate the color by 10%, you get **12.0670, 13.8353, 10.6916**, and if you desaturate by 10%, it is **13.9467, 14.6904, 15.9281**.

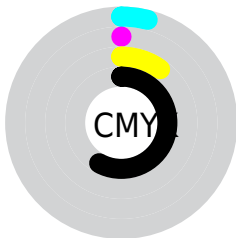
Distribution



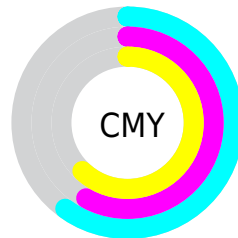
- Red (40%)
- Green (42%)
- Blue (38%)



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



- Cyan (4%)
- Magenta (0%)
- Yellow (10%)
- Black (58%)



- Cyan (60%)
- Magenta (58%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9625, 14.2435, 13.1324 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 12.9625, 14.2435, 13.1324 by changing the saturation by 10% instead.

■ 12.9625, 14.2435,
13.1324

■ 12.9625, 14.2435,
13.1324

204.3197,
218.7404, 223.0020

■ 7.4795, 8.2902,
7.3880

■ 30.8383, 33.5205,
32.2361

■ 3.8128, 4.2812,
3.6238

■ 43.9618, 47.6129,
46.4325

■ 1.5968, 1.8321,
1.4213

■ 60.3630, 65.1873,
64.2833

■ 0.3903, 0.5070,
0.1583

■ 80.4070, 86.6278,
86.2070

■ 0.0000, 0.0000,
0.0000

104.4593,
112.3190, 112.6222

132.8853,

142.6453, 143.9474

166.0503,
177.9909, 180.6011

■ 12.9625, 14.2435,
13.1324

■ 12.9625, 14.2435,
13.1324

■ 12.0670, 13.8353,
10.6916

■ 13.9467, 14.6904,
15.9281

■ 11.2559, 13.4629,
8.5905

■ 15.0212, 15.1755,
19.0911

■ 10.5267, 13.1255,
6.8142

■ 16.1891, 15.7003,
22.6344

■ 9.8758, 12.8218,
5.3466

■ 17.4529, 16.2660,
26.5701

■ 9.2996, 12.5502,
4.1699

■ 18.8151, 16.8736,
30.9098

■ 8.7941, 12.3091,
3.2646

■ 20.2781, 17.5241,
35.6644

■ 8.3548, 12.0967,
2.6088

■ 21.8440, 18.2183,
40.8448

■ 7.9767, 11.9110,
2.1773

■ 23.5151, 18.9572,
46.4610

■ 7.6469, 11.7475,
1.8645

■ 25.2936, 19.7417,
52.5231

Harmonies

Analogous

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



13.4706, 14.2435, 12.6900



12.9625, 14.2435, 13.1324



12.6161, 14.2435, 14.2098

Triad

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



12.9625, 14.2435, 13.1324



13.0765, 14.2435, 18.3716



14.6161, 14.2435, 15.3160

Complementary

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



12.9625, 14.2435, 13.1324



12.0929, 12.1370, 15.6160

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.



14.5038, 14.2435, 16.8845



12.9625, 14.2435, 13.1324



13.6057, 14.2435, 18.7167

Square

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



12.9625, 14.2435, 13.1324



12.6806, 14.2435, 17.2417



14.1303, 14.2435, 18.1558



14.4332, 14.2435, 13.8960

Rectangle

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



12.9625, 14.2435, 13.1324



12.5183, 14.2435, 15.1792



14.1303, 14.2435, 18.1558



14.6117, 14.2435, 15.8431

Sweetspot

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



12.9629, 14.2441, 13.1327



24.4622, 26.0729, 27.0517



12.7181, 13.0564, 12.9164



5.8907, 6.2971, 6.4613



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.



12.9629, 14.2441, 13.1327



22.8679, 25.3487, 22.5646



12.3688, 13.9379, 13.1049



3.2316, 3.5312, 3.3287



9.2685, 14.2733, 2.2665



46.2510, 72.2254, 11.5032

Inverse Universe

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



12.0929, 12.1370, 15.6160



21.0233, 20.8810, 27.8301



12.7042, 12.4522, 15.6447



3.0427, 3.0738, 3.8678



4.2113, 1.7981, 17.0473



20.5770, 8.7074, 86.8224

Previews

White Background



This preview shows how the XYZ color 12.9625, 14.2435, 13.1324 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 12.9625, 14.2435, 13.1324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

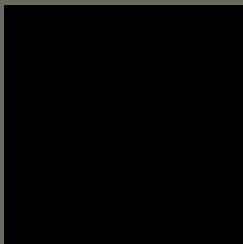
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

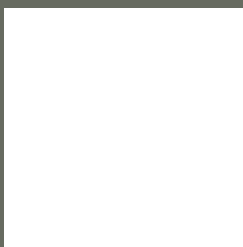
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.9625, 14.2435, 13.1324

Background



This preview shows how black text looks on a background with the XYZ color 12.9625, 14.2435, 13.1324.



This preview shows how white text looks on a background with the XYZ color 12.9625, 14.2435,

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

12.9625, 14.2435, 13.1324

Protanopia

13.5475, 14.2444, 12.8619

Deuteranopia

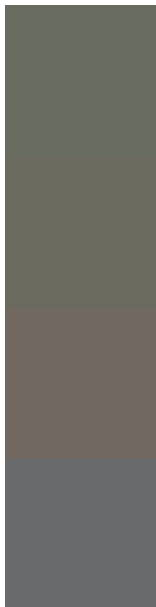
14.5168, 14.2877, 13.3020



Tritanopia

13.9761, 14.3596, 17.6578

Trichromacy



Original Color

12.9625, 14.2435, 13.1324

Protanomaly

13.2830, 14.2601, 12.8789

Deuteranomaly

13.9180, 14.2744, 13.3309

Tritanomaly

13.6336, 14.3729, 15.9656

Monochromacy



Original Color

12.9625, 14.2435, 13.1324

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.2612, 14.2104, 14.6143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9625, 14.2435, 13.1324 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(103, 107, 96)` looks like.

```
.text, #text, p{  
    color:rgb(103, 107, 96)  
}
```

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(103, 107, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 107, 96) }
```

Border

The CSS property to change the border of an element to XYZ 12.9625, 14.2435, 13.1324 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(103, 107, 96) }
```


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

```
.border{ border-color:rgb(103, 107, 96) }
```

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

Here you see how a box with a 4 pixel rgb(103, 107, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 107, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 107, 96);  
box-shadow:4px 4px 4px 4px rgb(103, 107,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9625, 14.2435, 13.1324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 107, 96) }
```

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

```
.background{ background-color: rgb(103,  
107, 96) }
```

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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