

Converting Colors

XYZ(13.8536, 13.1578, 12.9843)

Have a look what the booklet for
XYZ(13.8536, 13.1578, 12.9843)
contains.

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Color

**XYZ(13.7654, 13.0618,
12.8620)**

Conversions

Conversions Part 1

Format	Color
Hex	766060
RGB	118, 96, 96
RGB Percent	46%, 38%, 38%
CMY	0.5373, 0.6235, 0.6235
CMYK	0.00, 0.19, 0.19, 0.54
HSL	0°, 10%, 42%
HSV	0°, 19%, 46%
XYZ	13.7654, 13.0618, 12.8620
YIQ	102.5780, 13.1120, 4.6640

Conversions

Conversions Part 2

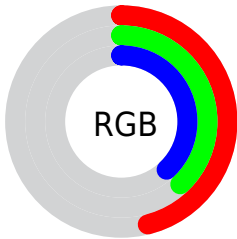
Format	Color
R_{YB}	118, 96, 96
Decimal	7757920
CIE Lab	42.86, 8.88, 3.34
CIE LCh	43, 9.493, 20.624
Yxy	13.0618, 0.3468, 0.3291
Android (android.graphics.Color)	4285948000 (0xFF766060)
YUV	102.5780, -3.2430, 13.5251
Hunter-Lab	36.1411, 4.7400, 4.1985

Details

The XYZ color **13.7654, 13.0618, 12.8620** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.5722, 16.7513, 19.6050**, and the grayscale version is **12.7869, 13.4529, 14.6502**.

A 20% lighter version of the original color is **32.1996, 31.4888, 31.5750**, and **4.1706, 3.7767, 3.5268** is the 20% darker color. If you saturate the color by 10%, you get **12.2656, 10.8672, 9.8799**, and if you desaturate by 10%, it is **15.5091, 15.6134, 16.3281**.

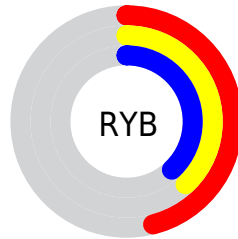
Distribution



Red (46%)

Green (38%)

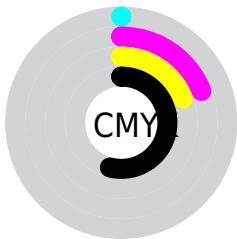
Blue (38%)



Red (46%)

Yellow (38%)

Blue (38%)

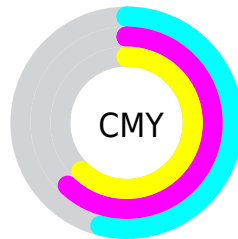


Cyan (0%)

Magenta (19%)

Yellow (19%)

Black (54%)



Cyan (54%)

Magenta (62%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7654, 13.0618, 12.8620 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 13.7654, 13.0618, 12.8620 by changing the saturation by 10% instead.

■ 13.7654, 13.0618,
12.8620

■ 13.7654, 13.0618,
12.8620

209.3064,
211.3134, 221.2080

■ 8.0383, 7.4711,
7.2040

■ 32.2619, 31.4148,
31.7432

■ 4.1715, 3.7584,
3.5096

■ 45.7621, 44.9458,
45.8034

■ 1.7996, 1.5394,
1.3604

■ 62.5839, 61.8925,
63.5015

■ 0.5174, 0.3162,
0.1105

■ 83.0929, 82.6391,
85.2559

■ 0.0000, 0.0000,
0.0000

107.6542,
107.5701, 111.4852

136.6333,

137.0699, 142.6080

170.3956,
171.5229, 179.0427

■ 13.7654, 13.0618,
12.8620

■ 13.7654, 13.0618,
12.8620

■ 12.2656, 10.8672,
9.8799

■ 15.5091, 15.6134,
16.3281

■ 10.9977, 9.0120,
7.3595

■ 17.5058, 18.5351,
20.2975

■ 9.9507, 7.4798,
5.2780

■ 19.7653, 21.8413,
24.7895

■ 9.1117, 6.2522,
3.6103

■ 22.2967, 25.5454,
29.8221

■ 8.4670, 5.3088,
2.3288

■ 25.1087, 29.6600,
35.4124

■ 8.0010, 4.6269,
1.4025

■ 28.2094, 34.1971,
41.5767

■ 7.6958, 4.1801,
0.7957

■ 31.6067, 39.1683,
48.3310

■ 7.4975, 3.8901,
0.4017

■ 35.3084, 44.5847,
55.6901

■ 7.4714, 3.8518,
0.3497

■ 39.3216, 50.4571,
63.6688

Harmonies

Analogous

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



13.8413, 13.0618, 14.8823



13.7654, 13.0618, 12.8620



13.3201, 13.0618, 11.3545

Triad

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



13.7654, 13.0618, 12.8620



11.3684, 13.0618, 11.8373



12.1892, 13.0618, 18.5347

Complementary

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



13.7654, 13.0618, 12.8620



14.5722, 16.7513, 19.6050

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.



11.5515, 13.0618, 17.5359



13.7654, 13.0618, 12.8620



11.0900, 13.0618, 13.5817

Square

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



13.7654, 13.0618, 12.8620



11.9304, 13.0618, 10.8041



11.1557, 13.0618, 15.6748



12.9122, 13.0618, 18.2942

Rectangle

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



13.7654, 13.0618, 12.8620



12.8830, 13.0618, 10.7793



11.1557, 13.0618, 15.6748



11.9582, 13.0618, 18.3294

Sweetspot

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



13.7658, 13.0624, 12.8623



28.1033, 28.6727, 30.3667



14.9243, 13.5255, 18.9638



6.4249, 6.5389, 6.9092



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.7658, 13.0624, 12.8623



23.1249, 21.3879, 20.4695



14.8404, 15.2116, 13.2205



3.6840, 3.7009, 3.8625



8.0829, 4.1671, 0.3783



39.3888, 20.3060, 1.8434

Inverse Universe

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



14.5722, 16.7513, 19.6050



24.7950, 29.0273, 34.4330



13.3517, 14.3104, 19.1981



3.7833, 4.1552, 4.6929



10.5450, 15.4297, 20.9650



51.3867, 75.1900, 102.1650

Previews

White Background



This preview shows how the XYZ color 13.7654, 13.0618, 12.8620 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 13.7654, 13.0618, 12.8620 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 13.7654, 13.0618, 12.8620

Background



This preview shows how black text looks on a background with the XYZ color 13.7654, 13.0618, 12.8620.



This preview shows how white text looks on a background with the XYZ color 13.7654, 13.0618,

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

13.7654, 13.0618, 12.8620

Protanopia

12.6147, 13.1513, 13.6780

Deuteranopia

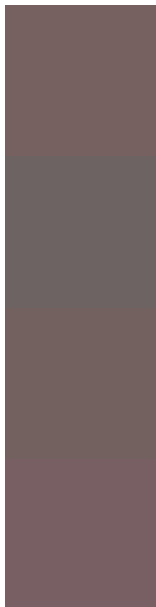
13.2891, 13.0906, 12.8927



Tritanopia

14.0982, 13.0657, 14.3492

Trichromacy



Original Color

13.7654, 13.0618, 12.8620

Protanomaly

12.9731, 13.0567, 13.3917

Deuteranomaly

13.4562, 13.0388, 12.8738

Tritanomaly

14.0002, 13.0265, 13.8331

Monochromacy



Original Color

13.7654, 13.0618, 12.8620

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.0418, 13.2226, 13.9214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7654, 13.0618, 12.8620 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(118, 96, 96)` looks like.

```
.text, #text, p{  
    color:rgb(118, 96, 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(118, 96, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 96, 96) }
```

Border

The CSS property to change the border of an element to XYZ 13.7654, 13.0618, 12.8620 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(118, 96, 96) }
```


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

```
.border{ border-color:rgb(118, 96, 96) }
```

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

Here you see how a box with a 4 pixel rgb(118, 96, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 96, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 96, 96);  
box-shadow:4px 4px 4px 4px rgb(118, 96,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7654, 13.0618, 12.8620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 96, 96) }
```

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

```
.background{ background-color: rgb(118, 96,  
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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