

Converting Colors

XYZ(12.7913, 15.0745, 13.3021)

Have a look what the booklet for
XYZ(12.7913, 15.0745, 13.3021)
contains.

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Color

**XYZ(12.8403, 15.1416,
13.3122)**

Conversions

Conversions Part 1

Format	Color
Hex	607160
RGB	96, 113, 96
RGB Percent	38%, 44%, 38%
CMY	0.6235, 0.5569, 0.6235
CMYK	0.15, 0.00, 0.15, 0.56
HSL	120°, 8%, 41%
HSV	120°, 15%, 44%
XYZ	12.8403, 15.1416, 13.3122
YIQ	105.9790, -4.6750, -8.8910

Conversions

Conversions Part 2

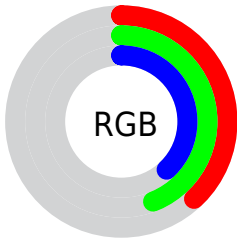
Format	Color
R_{YB}	96, 113, 113
Decimal	6320480
CIE Lab	45.83, -9.94, 7.33
CIE LCh	46, 12.355, 143.581
Yxy	15.1416, 0.3109, 0.3667
Android (android.graphics.Color)	4284510560 (0xFF607160)
YUV	105.9790, -4.9196, -8.7516
Hunter-Lab	38.9122, -9.1947, 6.9549

Details

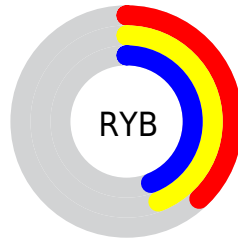
The XYZ color **12.8403, 15.1416, 13.3122** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.9741, 13.0690, 17.4095**, and the grayscale version is **13.7081, 14.4220, 15.7056**.

A 20% lighter version of the original color is **30.7542, 35.2199, 32.7810**, and **3.7326, 4.6639, 3.7211** is the 20% darker color. If you saturate the color by 10%, you get **11.2524, 14.3793, 10.7146**, and if you desaturate by 10%, it is **14.6748, 16.0232, 16.3124**.

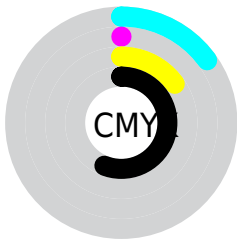
Distribution



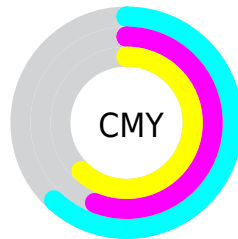
- Red (38%)
- Green (44%)
- Blue (38%)



- Red (38%)
- Yellow (44%)
- Blue (44%)



- Cyan (15%)
- Magenta (0%)
- Yellow (15%)
- Black (56%)



- Cyan (62%)
- Magenta (56%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8403, 15.1416, 13.3122 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 12.8403, 15.1416, 13.3122 by changing the saturation by 10% instead.

■ 12.8403, 15.1416,
13.3122

■ 12.8403, 15.1416,
13.3122

203.5500,
224.2217, 224.1866

■ 7.3949, 8.9188,
7.5106

■ 30.6203, 35.1014,
32.5629

■ 3.7588, 4.6883,
3.7002

■ 43.6857, 49.6072,
46.8491

■ 1.5666, 2.0655,
1.4624

■ 60.0218, 67.6428,
64.8006

■ 0.3705, 0.6451,
0.1896

■ 79.9939, 89.5926,
86.8360

■ 0.0000, 0.0000,
0.0000

103.9674,
115.8410, 113.3737

132.3077,

146.7724, 144.8324

165.3801,
182.7712, 181.6305

■ 12.8403, 15.1416,
13.3122

■ 12.8403, 15.1416,
13.3122

■ 11.2524, 14.3793,
10.7146

■ 14.6748, 16.0232,
16.3124

■ 9.8994, 13.7294,
8.5016

■ 16.7644, 17.0270,
19.7302

■ 8.7706, 13.1872,
6.6552

■ 19.1188, 18.1579,
23.5813

■ 7.8538, 12.7468,
5.1555

■ 21.7469, 19.4203,
27.8798

■ 7.1357, 12.4019,
3.9810

■ 24.6570, 20.8182,
32.6398

■ 6.6018, 12.1454,
3.1077

■ 27.8572, 22.3555,
37.8742

■ 6.2352, 11.9693,
2.5080

■ 31.3553, 24.0358,
43.5957

■ 6.0062, 11.8593,
2.1334

■ 35.1586, 25.8627,
49.8164

■ 5.9055, 11.8109,
1.9686

■ 39.2743, 27.8397,
56.5482

Harmonies

Analogous

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



13.6057, 15.1416, 11.7712



12.8403, 15.1416, 13.3122



12.4928, 15.1416, 15.8540

Triad

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



12.8403, 15.1416, 13.3122



14.1690, 15.1416, 22.8644



16.3051, 15.1416, 14.2981

Complementary

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



12.8403, 15.1416, 13.3122



13.9741, 13.0690, 17.4095

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.



16.4737, 15.1416, 17.1358



12.8403, 15.1416, 13.3122



15.2073, 15.1416, 22.3182

Square

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



12.8403, 15.1416, 13.3122



13.2357, 15.1416, 21.5431



16.0631, 15.1416, 20.1294



15.6130, 15.1416, 12.2906

Rectangle

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



12.8403, 15.1416, 13.3122



12.5324, 15.1416, 17.8697



16.0631, 15.1416, 20.1294



16.4263, 15.1416, 15.1768

Sweetspot

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



12.8407, 15.1422, 13.3125



26.2457, 28.6763, 29.1585



14.8272, 16.1663, 13.4053



6.0264, 6.6110, 6.6725



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.8407, 15.1422, 13.3125



21.9667, 26.6208, 22.1596



13.2536, 15.3074, 15.4868



3.3451, 3.7632, 3.6234



6.6985, 13.3969, 2.2329



33.3680, 66.7358, 11.1229

Inverse Universe

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



13.9741, 13.0690, 17.4095



24.4032, 22.1639, 30.9669



13.5176, 12.8864, 15.0055



3.5144, 3.4535, 4.2355



11.1057, 5.3347, 18.1645



55.3224, 26.5743, 90.4849

Previews

White Background



This preview shows how the XYZ color 12.8403, 15.1416, 13.3122 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 12.8403, 15.1416, 13.3122 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

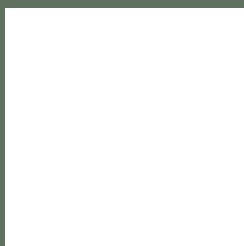
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.8403, 15.1416, 13.3122

Background



This preview shows how black text looks on a background with the XYZ color 12.8403, 15.1416, 13.3122.



This preview shows how white text looks on a background with the XYZ color 12.8403, 15.1416,

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

12.8403, 15.1416, 13.3122

Protanopia

14.2778, 15.0928, 12.5166

Deuteranopia

15.3233, 14.9934, 13.6417



Tritanopia

14.1612, 15.1931, 19.6389

Trichromacy



Original Color

12.8403, 15.1416, 13.3122

Protanomaly

13.6597, 15.0858, 12.7816

Deuteranomaly

14.2254, 14.8892, 13.4334

Tritanomaly

13.6993, 15.1692, 17.2449

Monochromacy



Original Color

12.8403, 15.1416, 13.3122

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.3464, 14.7214, 14.7084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8403, 15.1416, 13.3122 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(96, 113, 96) looks like.

```
.text, #text, p{  
    color:rgb(96, 113, 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(96, 113, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 113, 96) }
```

Border

The CSS property to change the border of an element to XYZ 12.8403, 15.1416, 13.3122 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(96, 113, 96) }
```


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

```
.border{ border-color:rgb(96, 113, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 113, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 113, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 113, 96);  
box-shadow:4px 4px 4px 4px rgb(96, 113,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8403, 15.1416, 13.3122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 113, 96) }
```

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

```
.background{ background-color: rgb(96, 113,  
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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