

Converting Colors

XYZ(10.4013, 12.3129, 13.1377)

Have a look what the booklet for
XYZ(10.4013, 12.3129, 13.1377)
contains.

XYZ(10.4013, 12.3129, 13.1377)	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(10.4013, 12.3129,
13.1377)**

Conversions

Conversions Part 1

Format	Color
Hex	516761
RGB	81, 103, 97
RGB Percent	32%, 40%, 38%
CMY	0.6823, 0.5961, 0.6196
CMYK	0.21, 0.00, 0.06, 0.60
HSL	164°, 12%, 36%
HSV	164°, 21%, 40%
XYZ	10.4013, 12.3129, 13.1377
YIQ	95.7380, -11.1860, -6.5300

Conversions

Conversions Part 2

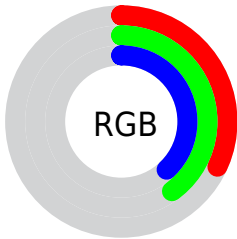
Format	Color
R_{YB}	81, 94, 103
Decimal	5334881
CIE _{Lab}	41.71, -9.59, 0.67
CIE _{LCh}	42, 9.611, 176.003
Yxy	12.3129, 0.2901, 0.3434
Android (android.graphics.Color)	4283524961 (0xFF516761)
YUV	95.7380, 0.6222, -12.9252
Hunter-Lab	35.0897, -8.4961, 2.3645

Details

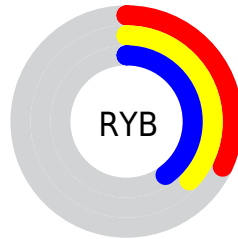
The XYZ color **10.4013, 12.3129, 13.1377** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.2567, 9.4570, 10.3022**, and the grayscale version is **11.0556, 11.6313, 12.6665**.

A 20% lighter version of the original color is **26.2610, 30.0746, 32.4379**, and **2.7393, 3.4424, 3.6520** is the 20% darker color. If you saturate the color by 10%, you get **9.4561, 11.8408, 12.4218**, and if you desaturate by 10%, it is **11.4858, 12.8569, 13.8848**.

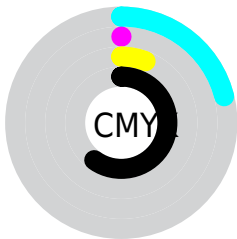
Distribution



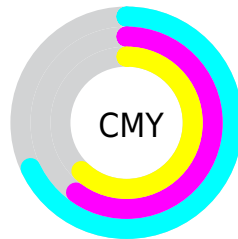
- Red (32%)
- Green (40%)
- Blue (38%)



- Red (32%)
- Yellow (37%)
- Blue (40%)



- Cyan (21%)
- Magenta (0%)
- Yellow (6%)
- Black (60%)



- Cyan (68%)
- Magenta (60%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4013, 12.3129, 13.1377 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 10.4013, 12.3129, 13.1377 by changing the saturation by 10% instead.

■ 10.4013, 12.3129,
13.1377

■ 10.4013, 12.3129,
13.1377

187.5071,
206.4659, 223.0370

■ 5.7301, 6.9572,
7.3916

■ 26.1905, 30.0637,
32.2458

■ 2.7208, 3.4353,
3.6260

■ 38.0392, 43.2276,
46.4448

■ 1.0079, 1.3630,
1.4225

■ 53.0112, 59.7629,
64.2985

■ 0.0000, 0.1892,
0.1592

■ 71.4718, 80.0542,
86.2255

■ 0.0000, 0.0000,
0.0000

■ 93.7863, 104.4857,
112.6444

120.3201,

133.4419, 143.9735

151.4386,
167.3072, 180.6316

■ 10.4013, 12.3129,
13.1377

■ 10.4013, 12.3129,
13.1377

■ 9.4561, 11.8408,
12.4218

■ 11.4858, 12.8569,
13.8848

■ 8.6431, 11.4361,
11.7359

■ 12.7141, 13.4742,
14.6629

■ 7.9561, 11.0957,
11.0796

■ 14.0921, 14.1680,
15.4727

■ 7.3880, 10.8161,
10.4523

■ 15.6248, 14.9411,
16.3147

■ 6.9309, 10.5933,
9.8534

■ 17.3169, 15.7959,
17.1894

■ 6.5762, 10.4227,
9.2823

■ 19.1733, 16.7347,
18.0971

■ 6.3132, 10.2989,
8.7382

■ 21.1982, 17.7598,
19.0384

■ 6.1172, 10.2076,
8.2875

■ 23.3960, 18.8735,
20.0136

■ 25.7708, 20.0779,
21.0232

Harmonies

Analogous

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



10.6140, 12.3129, 11.3496



10.4013, 12.3129, 13.1377



10.5257, 12.3129, 15.1831

Triad

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



10.4013, 12.3129, 13.1377



12.3079, 12.3129, 17.2103



12.4780, 12.3129, 10.4368

Complementary

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



10.4013, 12.3129, 13.1377



10.2567, 9.4570, 10.3022

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.



12.9651, 12.3129, 11.7745



10.4013, 12.3129, 13.1377



12.8641, 12.3129, 15.6984

Square

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



10.4013, 12.3129, 13.1377



11.6088, 12.3129, 17.6676



13.1091, 12.3129, 13.6793



11.7978, 12.3129, 9.8926

Rectangle

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



10.4013, 12.3129, 13.1377



10.7858, 12.3129, 16.4002



13.1091, 12.3129, 13.6793



12.6708, 12.3129, 10.8016

Sweetspot

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



10.4016, 12.3134, 13.1380



21.6728, 23.5768, 25.5764



10.2882, 12.3326, 9.6231



5.2645, 5.7405, 6.2253



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.



10.4016, 12.3134, 13.1380



17.6795, 21.5749, 22.8243



10.2315, 11.5082, 14.5146



2.8734, 3.1731, 3.4346



7.6810, 12.8360, 10.3475



39.6798, 66.7945, 51.9635

Inverse Universe

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



10.2567, 9.4570, 10.3022



17.3666, 15.3968, 16.6934



10.3884, 10.0964, 9.1862



2.8573, 2.8576, 3.1212



7.2887, 3.7284, 1.6527



37.6896, 19.3158, 6.9086

Previews

White Background



This preview shows how the XYZ color 10.4013, 12.3129, 13.1377 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 10.4013, 12.3129, 13.1377 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 10.4013, 12.3129, 13.1377

Background



This preview shows how black text looks on a background with the XYZ color 10.4013, 12.3129, 13.1377.



This preview shows how white text looks on a background with the XYZ color 10.4013, 12.3129,

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

10.4013, 12.3129, 13.1377

Protanopia

11.7549, 12.3102, 12.3462

Deuteranopia

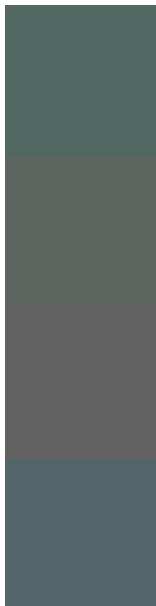
12.4077, 12.2111, 13.5074



Tritanopia

10.9813, 12.2505, 16.2538

Trichromacy



Original Color

10.4013, 12.3129, 13.1377

Protanomaly

11.2388, 12.3202, 12.6122

Deuteranomaly

11.6093, 12.2139, 13.3009

Tritanomaly

10.7808, 12.3165, 15.1737

Monochromacy



Original Color

10.4013, 12.3129, 13.1377

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.8875, 11.9924, 12.8073

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4013, 12.3129, 13.1377 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(81, 103, 97) looks like.

```
.text, #text, p{  
    color:rgb(81, 103, 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(81, 103, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 103, 97) }
```

Border

The CSS property to change the border of an element to XYZ 10.4013, 12.3129, 13.1377 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(81, 103, 97) }
```


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

```
.border{ border-color:rgb(81, 103, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 103, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 103, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 103, 97);  
box-shadow:4px 4px 4px 4px rgb(81, 103,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4013, 12.3129, 13.1377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 103, 97) }
```

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

```
.background{ background-color: rgb(81, 103,  
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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