

Converting Colors

XYZ(12.8316, 12.6351, 13.3816)

Have a look what the booklet for
XYZ(12.8316, 12.6351, 13.3816)
contains.

XYZ(12.8179, 12.5626, 13.3045)	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(12.8179, 12.5626,
13.3045)**

Conversions

Conversions Part 1

Format	Color
Hex	6E6062
RGB	110, 96, 98
RGB Percent	43%, 38%, 38%
CMY	0.5686, 0.6235, 0.6157
CMYK	0.00, 0.13, 0.11, 0.57
HSL	351°, 7%, 40%
HSV	351°, 13%, 43%
XYZ	12.8179, 12.5626, 13.3045
YIQ	100.4140, 7.7020, 3.5900

Conversions

Conversions Part 2

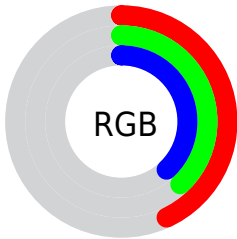
Format	Color
R_{YB}	110, 96, 98
Decimal	7233634
CIE _{Lab}	42.10, 5.99, 0.92
CIE _{LCh}	42, 6.061, 8.745
Yxy	12.5626, 0.3313, 0.3247
Android (android.graphics.Color)	4285423714 (0xFF6E6062)
YUV	100.4140, -1.1901, 8.4069
Hunter-Lab	35.4438, 2.5263, 2.5550

Details

The XYZ color **12.8179, 12.5626, 13.3045** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.1071, 14.7217, 16.3389**, and the grayscale version is **12.2208, 12.8572, 14.0015**.

A 20% lighter version of the original color is **30.7588, 30.7187, 32.7419**, and **3.7470, 3.5533, 3.7372** is the 20% darker color. If you saturate the color by 10%, you get **11.4644, 10.5266, 10.7845**, and if you desaturate by 10%, it is **14.3651, 14.9017, 16.1482**.

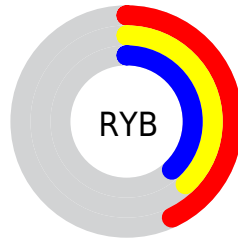
Distribution



Red (43%)

Green (38%)

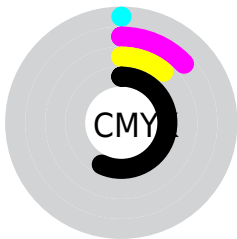
Blue (38%)



Red (43%)

Yellow (38%)

Blue (38%)

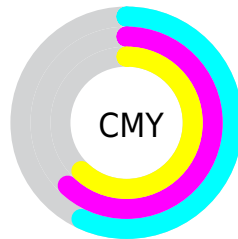


Cyan (0%)

Magenta (13%)

Yellow (11%)

Black (57%)



Cyan (57%)

Magenta (62%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8179, 12.5626, 13.3045 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 12.8179, 12.5626, 13.3045 by changing the saturation by 10% instead.

■ 12.8179, 12.5626,
13.3045

■ 12.8179, 12.5626,
13.3045

203.4086,
208.0951, 224.1360

■ 7.3794, 7.1281,
7.5054

■ 30.5804, 30.5157,
32.5489

■ 3.7489, 3.5423,
3.6969

■ 43.6350, 43.8031,
46.8313

■ 1.5611, 1.4210,
1.4606

■ 59.9591, 60.4768,
64.7785

■ 0.3668, 0.2321,
0.1883

■ 79.9180, 80.9213,
86.8091

■ 0.0000, 0.0000,
0.0000

103.8770,
105.5210, 113.3416

132.2016,

134.6603, 144.7946

165.2570,
168.7235, 181.5865

■ 12.8179, 12.5626,
13.3045

■ 12.8179, 12.5626,
13.3045

■ 11.4644, 10.5266,
10.7845

■ 14.3651, 14.9017,
16.1482

■ 10.2958, 8.7795,
8.5759

■ 16.1120, 17.5537,
19.3258

■ 9.3045, 7.3089,
6.6669

■ 18.0659, 20.5302,
22.8478

■ 8.4816, 6.1005,
5.0444

■ 20.2332, 23.8418,
26.7243

■ 7.8177, 5.1388,
3.6945

■ 22.6201, 27.4983,
30.9648

■ 7.3024, 4.4068,
2.6022

■ 25.2327, 31.5094,
35.5784

■ 6.9240, 3.8851,
1.7507

■ 28.0766, 35.8842,
40.5740

■ 6.6676, 3.5489,
1.1212

■ 31.1573, 40.6317,
45.9601

■ 6.5218, 3.3516,
0.7817

■ 34.4803, 45.7603,
51.7451

Harmonies

Analogous

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



12.7667, 12.5626, 14.5985



12.8179, 12.5626, 13.3045



12.6294, 12.5626, 12.1827

Triad

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



12.8179, 12.5626, 13.3045



11.4060, 12.5626, 11.8320



11.6288, 12.5626, 16.1254

Complementary

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



12.8179, 12.5626, 13.3045



13.1071, 14.7217, 16.3389

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.



11.2769, 12.5626, 15.2920



12.8179, 12.5626, 13.3045



11.1505, 12.5626, 12.7981

Square

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



12.8179, 12.5626, 13.3045



11.8090, 12.5626, 11.3684



11.1038, 12.5626, 14.0595



12.0727, 12.5626, 16.2822

Rectangle

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



12.8179, 12.5626, 13.3045



12.3959, 12.5626, 11.6639



11.1038, 12.5626, 14.0595



11.4962, 12.5626, 15.9127

Sweetspot

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



12.8183, 12.5632, 13.3048



24.8317, 25.5703, 27.6348



13.1699, 12.6740, 16.5042



5.7386, 5.8900, 6.3578



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.



12.8183, 12.5632, 13.3048



21.8425, 21.0554, 22.1269



13.1861, 13.4480, 12.9678



3.4021, 3.4086, 3.6443



7.8269, 4.0232, 0.8987



38.7892, 19.9610, 3.4222

Inverse Universe

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



12.8183, 12.5632, 13.3048



21.8425, 21.0554, 22.1269



12.7006, 13.7366, 16.7341



3.4021, 3.4086, 3.6443



7.8269, 4.0232, 0.8987



38.7892, 19.9610, 3.4222

Previews

White Background



This preview shows how the XYZ color 12.8179, 12.5626, 13.3045 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 12.8179, 12.5626, 13.3045 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 12.8179, 12.5626, 13.3045

Background



This preview shows how black text looks on a background with the XYZ color 12.8179, 12.5626, 13.3045.



This preview shows how white text looks on a background with the XYZ color 12.8179, 12.5626,

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

12.8179, 12.5626, 13.3045

Protanopia

12.1289, 12.6105, 13.8514

Deuteranopia

12.8179, 12.5626, 13.3045



Tritanopia

13.0959, 12.5432, 14.5628

Trichromacy



Original Color

12.8179, 12.5626, 13.3045

Protanomaly

12.3287, 12.5793, 13.5826

Deuteranomaly

12.8179, 12.5626, 13.3045

Tritanomaly

12.9967, 12.5035, 14.0403

Monochromacy



Original Color

12.8179, 12.5626, 13.3045

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.4229, 12.7676, 13.6140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8179, 12.5626, 13.3045 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(110, 96, 98)` looks like.

```
.text, #text, p{  
    color:rgb(110, 96, 98)  
}
```

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(110, 96, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 96, 98) }
```

Border

The CSS property to change the border of an element to XYZ 12.8179, 12.5626, 13.3045 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(110, 96, 98) }
```


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

```
.border{ border-color:rgb(110, 96, 98) }
```

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

Here you see how a box with a 4 pixel rgb(110, 96, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 96, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 96, 98);  
box-shadow:4px 4px 4px 4px rgb(110, 96,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8179, 12.5626, 13.3045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 96, 98) }
```

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

```
.background{ background-color: rgb(110, 96,  
98) }
```

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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