

Converting Colors

XYZ(12.6235, 12.6304, 13.7952)

Have a look what the booklet for
XYZ(12.6235, 12.6304, 13.7952)
contains.

XYZ(12.6383, 12.5953, 13.8216)	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(12.6383, 12.5953,
13.8216)**

Conversions

Conversions Part 1

Format	Color
Hex	6B6164
RGB	107, 97, 100
RGB Percent	42%, 38%, 39%
CMY	0.5804, 0.6196, 0.6078
CMYK	0.00, 0.09, 0.07, 0.58
HSL	342°, 5%, 40%
HSV	342°, 9%, 42%
XYZ	12.6383, 12.5953, 13.8216
YIQ	100.3320, 4.9970, 3.0530

Conversions

Conversions Part 2

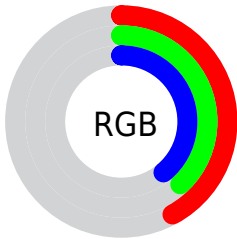
Format	Color
R_{YB}	107, 97, 100
Decimal	7037284
CIE Lab	42.15, 4.57, -0.26
CIE LCh	42, 4.577, 356.729
Yxy	12.5953, 0.3236, 0.3225
Android (android.graphics.Color)	4285227364 (0xFF6B6164)
YUV	100.3320, -0.1637, 5.8478
Hunter-Lab	35.4899, 1.4584, 1.7523

Details

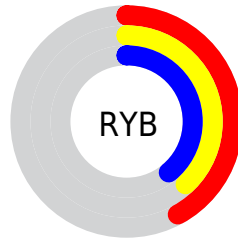
The XYZ color **12.6383, 12.5953, 13.8216** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.6866, 14.0565, 15.1418**, and the grayscale version is **12.1977, 12.8330, 13.9751**.

A 20% lighter version of the original color is **30.2764, 30.6833, 33.6049**, and **3.6899, 3.5854, 3.8657** is the 20% darker color. If you saturate the color by 10%, you get **11.3695, 10.6115, 11.6913**, and if you desaturate by 10%, it is **14.0745, 14.8603, 16.1726**.

Distribution



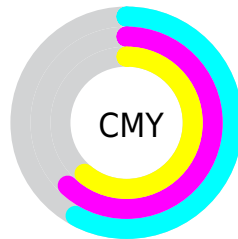
- Red (42%)
- Green (38%)
- Blue (39%)



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



- Cyan (0%)
- Magenta (9%)
- Yellow (7%)
- Black (58%)



- Cyan (58%)
- Magenta (62%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6383, 12.5953, 13.8216 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 12.6383, 12.5953, 13.8216 by changing the saturation by 10% instead.

■ 12.6383, 12.5953,
13.8216

■ 12.6383, 12.5953,
13.8216

202.2712,
208.3075, 227.5079

■ 7.2552, 7.1505,
7.8594

■ 30.2593, 30.5748,
33.4847

■ 3.6700, 3.5564,
3.9186

■ 43.2279, 43.8782,
48.0227

■ 1.5172, 1.4286,
1.5808

■ 59.4558, 60.5700,
66.2562

■ 0.3375, 0.2377,
0.2771

■ 79.3083, 81.0345,
88.6040

■ 0.0000, 0.0000,
0.0000

103.1507,
105.6561, 115.4845

131.3484,

134.8192, 147.3163

164.2668,
168.9082, 184.5179

■ 12.6383, 12.5953,
13.8216

■ 12.6383, 12.5953,
13.8216

■ 11.3695, 10.6115,
11.6913

■ 14.0745, 14.8603,
16.1726

■ 10.2610, 8.8963,
9.7743

■ 15.6830, 17.4152,
18.7496

■ 9.3063, 7.4385,
8.0642

■ 17.4696, 20.2704,
21.5590

■ 8.4986, 6.2257,
6.5538

■ 19.4398, 23.4353,
24.6063

■ 7.8302, 5.2441,
5.2355

■ 21.5985, 26.9187,
27.8971

■ 7.2926, 4.4789,
4.1011

■ 23.9507, 30.7293,
31.4368

■ 6.8767, 3.9133,
3.1418

■ 26.5012, 34.8754,
35.2305

■ 6.5719, 3.5282,
2.3482

■ 29.2544, 39.3649,
39.2833

■ 6.3397, 3.2485,
1.7009

■ 32.2148, 44.2056,
43.5999

Harmonies

Analogous

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



12.5283, 12.5953, 14.7707



12.6383, 12.5953, 13.8216



12.5669, 12.5953, 12.8865

Triad

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



12.6383, 12.5953, 13.8216



11.6789, 12.5953, 12.1039



11.6152, 12.5953, 15.3454

Complementary

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



12.6383, 12.5953, 13.8216



12.6866, 14.0565, 15.1418

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.



11.3951, 12.5953, 14.5765



12.6383, 12.5953, 13.8216



11.4314, 12.5953, 12.7092

Square

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



12.6383, 12.5953, 13.8216



12.0089, 12.5953, 11.9229



11.3285, 12.5953, 13.6072



11.9341, 12.5953, 15.6763

Rectangle

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



12.6383, 12.5953, 13.8216



12.4267, 12.5953, 12.3914



11.3285, 12.5953, 13.6072



11.5275, 12.5953, 15.1279

Sweetspot

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



12.6387, 12.5959, 13.8219



24.2048, 25.0324, 27.3375



12.6378, 12.5546, 15.6671



5.8148, 5.9898, 6.5453



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.



12.6387, 12.5959, 13.8219



22.1609, 21.8165, 23.9685



12.6833, 12.9131, 13.1340



3.1337, 3.1303, 3.4342



7.6824, 3.9251, 1.9563



38.8025, 19.8630, 8.1628

Inverse Universe

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



12.6387, 12.5959, 13.8219



22.1609, 21.8165, 23.9685



12.6356, 13.7064, 15.8895



3.1337, 3.1303, 3.4342



7.6824, 3.9251, 1.9563



38.8025, 19.8630, 8.1628

Previews

White Background



This preview shows how the XYZ color 12.6383, 12.5953, 13.8216 looks on a white background.

Color Contrast Check

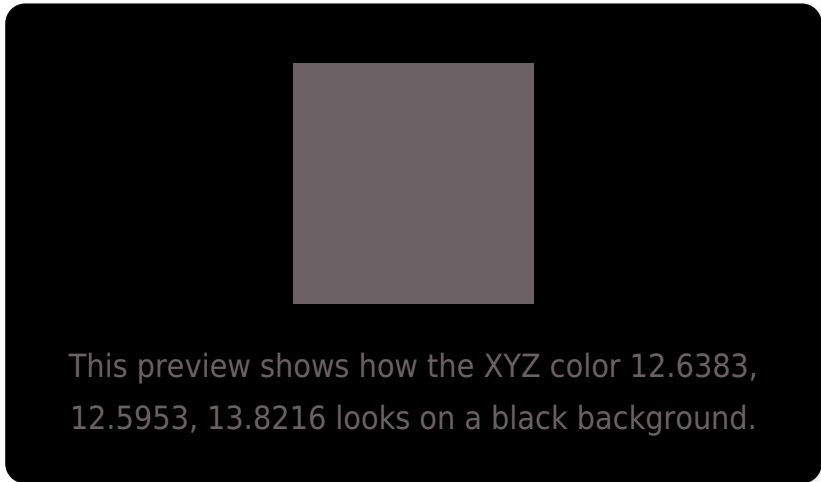
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.6383, 12.5953, 13.8216

Background



This preview shows how black text looks on a background with the XYZ color 12.6383, 12.5953, 13.8216.



This preview shows how white text looks on a background with the XYZ color 12.6383, 12.5953,

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

12.6383, 12.5953, 13.8216

Protanopia

12.1776, 12.6300, 14.1079

Deuteranopia

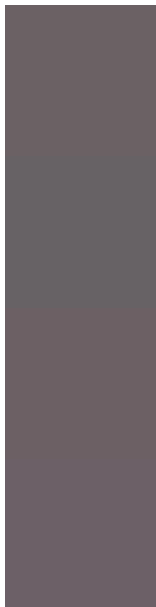
12.7898, 12.5371, 13.8024



Tritanopia

12.8659, 12.5534, 14.8416

Trichromacy



Original Color

12.6383, 12.5953, 13.8216

Protanomaly

12.3102, 12.5585, 14.0871

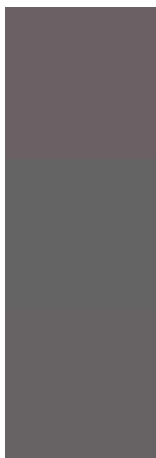
Deuteranomaly

12.6675, 12.4740, 13.7967

Tritanomaly

12.8154, 12.5332, 14.5757

Monochromacy



Original Color

12.6383, 12.5953, 13.8216

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.3556, 12.7273, 13.8620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6383, 12.5953, 13.8216 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(107, 97, 100)` looks like.

```
.text, #text, p{  
    color:rgb(107, 97, 100)  
}
```

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(107, 97, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 97, 100) }
```

Border

The CSS property to change the border of an element to XYZ 12.6383, 12.5953, 13.8216 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(107, 97, 100) }
```


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

```
.border{ border-color:rgb(107, 97, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 97, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 97, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 97, 100);  
box-shadow:4px 4px 4px 4px rgb(107, 97,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6383, 12.5953, 13.8216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 97, 100) }
```

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

```
.background{ background-color: rgb(107, 97,  
100) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor