

Converting Colors

XYZ(10.2376, 12.1453, 9.4466)

Have a look what the booklet for
XYZ(10.2376, 12.1453, 9.4466)
contains.

XYZ(10.2238, 12.1566, 9.3970)	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(10.2238, 12.1566,
9.3970)**

Conversions

Conversions Part 1

Format	Color
Hex	586650
RGB	88, 102, 80
RGB Percent	35%, 40%, 31%
CMY	0.6549, 0.6000, 0.6863
CMYK	0.14, 0.00, 0.22, 0.60
HSL	98°, 12%, 36%
HSV	98°, 22%, 40%
XYZ	10.2238, 12.1566, 9.3970
YIQ	95.3060, -1.2820, -9.8100

Conversions

Conversions Part 2

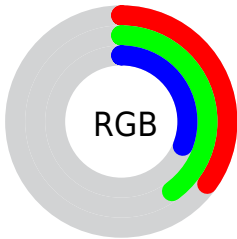
Format	Color
RYB	80, 102, 94
Decimal	5793360
CIELab	41.46, -9.90, 10.69
CIELCh	41, 14.571, 132.794
Yxy	12.1566, 0.3217, 0.3826
Android (android.graphics.Color)	4283983440 (0xFF586650)
YUV	95.3060, -7.5459, -6.4074
Hunter-Lab	34.8663, -8.6748, 8.4269

Details

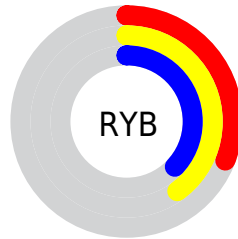
The XYZ color **10.2238, 12.1566, 9.3970** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **9.8835, 9.0766, 13.8020**, and the grayscale version is **10.9687, 11.5399, 12.5669**.

A 20% lighter version of the original color is **25.8349, 29.7707, 25.1536**, and **2.6244, 3.3460, 2.0976** is the 20% darker color. If you saturate the color by 10%, you get **9.2879, 11.7148, 7.5331**, and if you desaturate by 10%, it is **11.2723, 12.6506, 11.5655**.

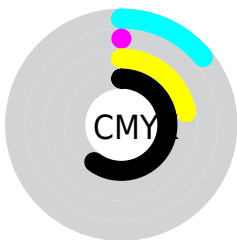
Distribution



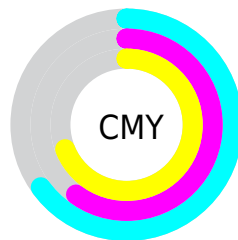
- Red (35%)
- Green (40%)
- Blue (31%)



- Red (31%)
- Yellow (40%)
- Blue (37%)



- Cyan (14%)
- Magenta (0%)
- Yellow (22%)
- Black (60%)



- Cyan (65%)
- Magenta (60%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2238, 12.1566, 9.3970 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 10.2238, 12.1566, 9.3970 by changing the saturation by 10% instead.

■ 10.2238, 12.1566,
9.3970

■ 10.2238, 12.1566,
9.3970

186.2824,
205.4393, 196.6383

■ 5.6110, 6.8504,
4.9007

■ 25.8615, 29.7800,
25.2448

■ 2.6484, 3.3687,
2.1314

■ 37.6171, 42.8660,
37.4334

■ 0.9707, 1.3271,
0.6344

■ 52.4843, 59.3141,
53.0231

■ 0.0000, 0.1621,
0.0000

■ 70.8285, 79.5086,
72.4326

■ 0.0000, 0.0000,
0.0000

■ 93.0151, 103.8340,
96.0803

119.4093,

132.6747, 124.3848

150.3767,
166.4150, 157.7646

■ 10.2238, 12.1566,
9.3970

■ 10.2238, 12.1566,
9.3970

■ 9.2879, 11.7148,
7.5331

■ 11.2723, 12.6506,
11.5655

■ 8.4597, 11.3218,
5.9592

■ 12.4363, 13.1968,
14.0505

■ 7.7352, 10.9763,
4.6611

■ 13.7196, 13.7975,
16.8642

■ 7.1099, 10.6762,
3.6229

■ 15.1257, 14.4540,
20.0182

■ 6.5788, 10.4195,
2.8268

■ 16.6579, 15.1679,
23.5232

■ 6.1365, 10.2038,
2.2532

■ 18.3193, 15.9405,
27.3896

■ 5.7766, 10.0262,
1.8777

■ 20.1130, 16.7732,
31.6273

■ 5.5177, 9.8981,
1.6197

■ 22.0419, 17.6674,
36.2460

■ 24.1088, 18.6242,
41.2547

Harmonies

Analogous

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



11.1088, 12.1566, 8.3193



10.2238, 12.1566, 9.3970



9.7140, 12.1566, 11.5831

Triad

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



10.2238, 12.1566, 9.3970



10.9617, 12.1566, 19.6354



13.6592, 12.1566, 11.9849

Complementary

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



10.2238, 12.1566, 9.3970



9.8835, 9.0766, 13.8020

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.



13.6139, 12.1566, 15.0402



10.2238, 12.1566, 9.3970



12.0120, 12.1566, 19.7871

Square

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



10.2238, 12.1566, 9.3970



10.1218, 12.1566, 17.6135



12.9959, 12.1566, 18.0008



13.1163, 12.1566, 9.6522

Rectangle

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



10.2238, 12.1566, 9.3970



9.6351, 12.1566, 13.5232



12.9959, 12.1566, 18.0008



13.7132, 12.1566, 12.9538

Sweetspot

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



10.2241, 12.1571, 9.3973



20.8444, 22.6907, 22.5641



10.9247, 11.3980, 9.2138



4.8981, 5.3438, 5.2818



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



10.2241, 12.1571, 9.3973



17.0560, 20.9073, 14.7226



9.6187, 11.8322, 9.9472



2.8824, 3.1865, 3.0376



7.0457, 12.6909, 2.0782



35.8585, 65.7317, 10.7976

Inverse Universe

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



9.8835, 9.0766, 13.8020



16.3401, 14.4387, 23.9714



10.6039, 9.4645, 13.0896



2.8443, 2.8418, 3.5306



5.8300, 2.6497, 16.3485



29.4238, 13.3128, 85.2202

Previews

White Background



This preview shows how the XYZ color 10.2238, 12.1566, 9.3970 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 10.2238, 12.1566, 9.3970 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 10.2238, 12.1566, 9.3970

Background



This preview shows how black text looks on a background with the XYZ color 10.2238, 12.1566, 9.3970.

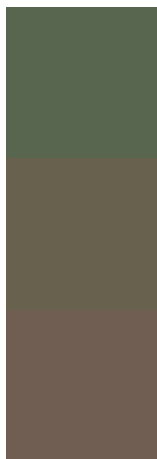


This preview shows how white text looks on a background with the XYZ color 10.2238, 12.1566,

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

10.2238, 12.1566, 9.3970

Protanopia

11.3588, 12.0425, 8.9335

Deuteranopia

12.3357, 12.1253, 9.6729



Tritanopia

11.3828, 12.0513, 15.3619

Trichromacy



Original Color

10.2238, 12.1566, 9.3970

Protanomaly

10.9101, 12.0849, 9.1547

Deuteranomaly

11.4688, 12.0865, 9.5130

Tritanomaly

10.9339, 12.0109, 13.0513

Monochromacy



Original Color

10.2238, 12.1566, 9.3970

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.6268, 11.7489, 11.3805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2238, 12.1566, 9.3970 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(88, 102, 80)` looks like.

```
.text, #text, p{  
    color:rgb(88, 102, 80)  
}
```

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(88, 102, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 102, 80) }
```

Border

The CSS property to change the border of an element to XYZ 10.2238, 12.1566, 9.3970 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(88, 102, 80) }
```


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

```
.border{ border-color:rgb(88, 102, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 102, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 102, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 102, 80);  
box-shadow:4px 4px 4px 4px rgb(88, 102,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2238, 12.1566, 9.3970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 102, 80) }
```

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

```
.background{ background-color: rgb(88, 102,  
80) }
```

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