

Converting Colors

XYZ(12.5667, 10.3764, 17.2075)

Have a look what the booklet for
XYZ(12.5667, 10.3764, 17.2075)
contains.

XYZ(12.5880, 10.3970, 17.2629)	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(12.5880, 10.3970,
17.2629)**

Conversions

Conversions Part 1

Format	Color
Hex	705072
RGB	112, 80, 114
RGB Percent	44%, 31%, 45%
CMY	0.5608, 0.6863, 0.5529
CMYK	0.02, 0.30, 0.00, 0.55
HSL	296°, 18%, 38%
HSV	296°, 30%, 45%
XYZ	12.5880, 10.3970, 17.2629
YIQ	93.4440, 8.1580, 17.3580

Conversions

Conversions Part 2

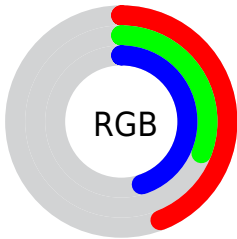
Format	Color
RYB	112, 80, 114
Decimal	7360626
CIELab	38.55, 19.75, -14.20
CIELCh	39, 24.329, 324.285
Yxy	10.3970, 0.3128, 0.2583
Android (android.graphics.Color)	4285550706 (0xFF705072)
YUV	93.4440, 10.1341, 16.2736
Hunter-Lab	32.2444, 13.2576, -9.1714

Details

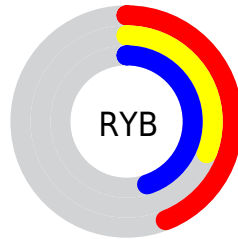
The XYZ color **12.5880, 10.3970, 17.2629** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **10.9453, 14.4079, 9.7941**, and the grayscale version is **10.4843, 11.0303, 12.0120**.

A 20% lighter version of the original color is **30.1754, 26.6110, 39.6224**, and **3.6343, 2.6522, 5.4746** is the 20% darker color. If you saturate the color by 10%, you get **11.7382, 8.8234, 17.0041**, and if you desaturate by 10%, it is **13.5807, 12.2551, 17.5694**.

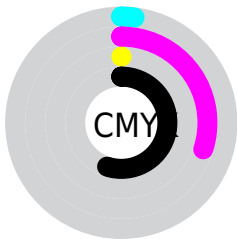
Distribution



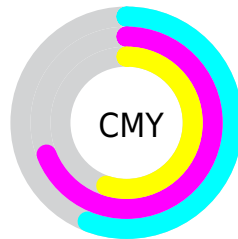
- Red (44%)
- Green (31%)
- Blue (45%)



- Red (44%)
- Yellow (31%)
- Blue (45%)



- Cyan (2%)
- Magenta (30%)
- Yellow (0%)
- Black (55%)



- Cyan (56%)
- Magenta (69%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5880, 10.3970, 17.2629 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 12.5880, 10.3970, 17.2629 by changing the saturation by 10% instead.

■ 12.5880, 10.3970,
17.2629

■ 12.5880, 10.3970,
17.2629

201.9515,
193.4825, 248.7779

■ 7.2205, 5.6630,
10.2582

■ 30.1693, 26.5396,
39.5741

■ 3.6479, 2.6412,
5.4626

■ 43.1137, 38.7169,
55.7176

■ 1.5050, 0.9474,
2.4577

■ 59.3145, 54.1442,
75.7445

■ 0.3292, 0.0000,
0.8176

■ 79.1371, 73.2057,
100.0732

■ 0.0000, 0.0000,
0.0000

■ 102.9467, 96.2859,
129.1224

131.1087,

123.7692, 163.3105

163.9885,
156.0399, 203.0562

■ 12.5880, 10.3970,
17.2629

■ 12.5880, 10.3970,
17.2629

■ 11.7382, 8.8234,
17.0041

■ 13.5807, 12.2551,
17.5694

■ 11.0232, 7.5187,
16.7900

■ 14.7221, 14.4097,
17.9251

■ 10.4356, 6.4678,
16.6181

■ 16.0186, 16.8736,
18.3324

■ 9.9668, 5.6536,
16.4856

■ 17.4761, 19.6587,
18.7931

■ 9.6072, 5.0567,
16.3894

■ 19.1002, 22.7760,
19.3092

■ 9.3456, 4.6550,
16.3256

■ 20.8962, 26.2361,
19.8824

■ 9.1398, 4.3642,
16.2803

■ 22.8691, 30.0491,
20.5144

■ 9.1362, 4.3590,
16.2795

■ 25.0239, 34.2248,
21.2068

■ 27.3651, 38.7725,
21.9612

Harmonies

Analogous

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



11.1982, 10.3970, 21.3659



12.5880, 10.3970, 17.2629



13.2597, 10.3970, 12.2182

Triad

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



12.5880, 10.3970, 17.2629



10.1907, 10.3970, 4.6356



7.3412, 10.3970, 15.3321

Complementary

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



12.5880, 10.3970, 17.2629



10.9453, 14.4079, 9.7941

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.



7.1330, 10.3970, 10.4680



12.5880, 10.3970, 17.2629



8.6733, 10.3970, 5.0521

Square

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



12.5880, 10.3970, 17.2629



11.7832, 10.3970, 5.5805



7.5946, 10.3970, 6.9273



8.1972, 10.3970, 20.0574

Rectangle

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



12.5880, 10.3970, 17.2629



13.1631, 10.3970, 9.2881



7.5946, 10.3970, 6.9273



7.1973, 10.3970, 13.6298

Sweetspot

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



12.5883, 10.3975, 17.2631



25.9977, 25.5623, 31.5393



9.3835, 8.9958, 17.1615



5.9553, 5.8036, 7.2761



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.



12.5883, 10.3975, 17.2631



21.0349, 16.2562, 30.0046



12.0733, 10.2212, 13.2083



3.4960, 3.4440, 4.2347



10.1655, 4.8499, 18.1220



50.3818, 24.0271, 90.2614

Inverse Universe

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



11.3314, 9.9244, 9.3016



18.4505, 15.2870, 13.4811



11.3794, 14.5617, 12.9744



3.3917, 3.4044, 3.5895



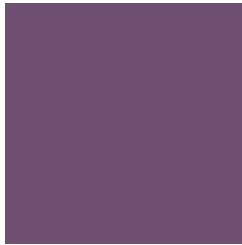
7.7636, 3.9978, 0.5649



38.5644, 19.8711, 2.2382

Previews

White Background



This preview shows how the XYZ color 12.5880, 10.3970, 17.2629 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 12.5880, 10.3970, 17.2629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

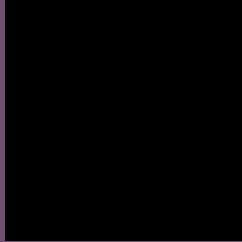
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5880, 10.3970, 17.2629

Background



This preview shows how black text looks on a background with the XYZ color 12.5880, 10.3970, 17.2629.



This preview shows how white text looks on a background with the XYZ color 12.5880, 10.3970,

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

12.5880, 10.3970, 17.2629

Protanopia

10.5870, 10.4866, 19.5553

Deuteranopia

10.6168, 10.4385, 16.7845



Tritanopia

11.3653, 10.3472, 11.2957

Trichromacy



Original Color

12.5880, 10.3970, 17.2629

Protanomaly

11.1120, 10.2907, 18.5402

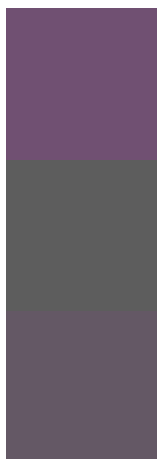
Deuteranomaly

11.2382, 10.3892, 17.0358

Tritanomaly

11.7758, 10.4024, 13.1916

Monochromacy



Original Color

12.5880, 10.3970, 17.2629

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.0942, 10.6284, 13.7787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5880, 10.3970, 17.2629 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(112, 80, 114)` looks like.

```
.text, #text, p{  
    color:rgb(112, 80, 114)  
}
```

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(112, 80, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 80, 114) }
```

Border

The CSS property to change the border of an element to XYZ 12.5880, 10.3970, 17.2629 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(112, 80, 114) }
```


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

```
.border{ border-color:rgb(112, 80, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 80, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 80, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 80, 114);  
box-shadow:4px 4px 4px 4px rgb(112, 80,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5880, 10.3970, 17.2629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 80, 114) }
```

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

```
.background{ background-color: rgb(112, 80,  
114) }
```

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