

Converting Colors

XYZ(10.9117, 12.4028, 13.6560)

Have a look what the booklet for
XYZ(10.9117, 12.4028, 13.6560)
contains.

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Color

**XYZ(10.9340, 12.4298,
13.6273)**

Conversions

Conversions Part 1

Format	Color
Hex	576663
RGB	87, 102, 99
RGB Percent	34%, 40%, 39%
CMY	0.6588, 0.6000, 0.6118
CMYK	0.15, 0.00, 0.03, 0.60
HSL	168°, 8%, 37%
HSV	168°, 15%, 40%
XYZ	10.9340, 12.4298, 13.6273
YIQ	97.1730, -7.9770, -4.1130

Conversions

Conversions Part 2

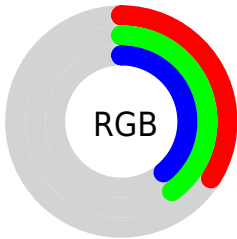
Format	Color
R_{YB}	87, 95, 102
Decimal	5727843
CIE Lab	41.89, -6.36, -0.23
CIE LCh	42, 6.361, 182.063
Yxy	12.4298, 0.2956, 0.3360
Android (android.graphics.Color)	4283917923 (0xFF576663)
YUV	97.1730, 0.9007, -8.9217
Hunter-Lab	35.2559, -6.3392, 1.7621

Details

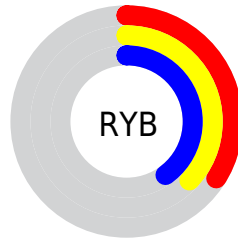
The XYZ color **10.9340, 12.4298, 13.6273** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.7336, 10.3797, 11.1112**, and the grayscale version is **11.4044, 11.9983, 13.0661**.

A 20% lighter version of the original color is **27.2128, 30.3028, 33.2689**, and **2.9232, 3.4608, 3.8821** is the 20% darker color. If you saturate the color by 10%, you get **9.9519, 11.9350, 13.0787**, and if you desaturate by 10%, it is **12.0539, 12.9960, 14.1958**.

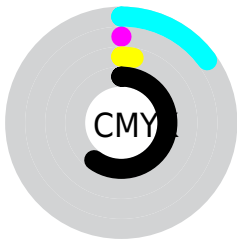
Distribution



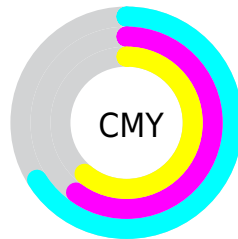
- Red (34%)
- Green (40%)
- Blue (39%)



- Red (34%)
- Yellow (37%)
- Blue (40%)



- Cyan (15%)
- Magenta (0%)
- Yellow (3%)
- Black (60%)



- Cyan (66%)
- Magenta (60%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.9340, 12.4298, 13.6273 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 10.9340, 12.4298, 13.6273 by changing the saturation by 10% instead.

■ 10.9340, 12.4298,
13.6273

■ 10.9340, 12.4298,
13.6273

191.1318,
207.2303, 226.2470

■ 6.0894, 7.0371,
7.7261

■ 27.1721, 30.2755,
33.1338

■ 2.9407, 3.4853,
3.8350

■ 39.2963, 43.4973,
47.5762

■ 1.1225, 1.3900,
1.5352

■ 54.5778, 60.0976,
65.7028

■ 0.0438, 0.2094,
0.2440

■ 73.3820, 80.4608,
87.9321

■ 0.0000, 0.0000,
0.0000

■ 96.0741, 104.9713,
114.6826

123.0195,

134.0134, 146.3729

154.5837,
167.9716, 183.4215

■ 10.9340, 12.4298,
13.6273

■ 10.9340, 12.4298,
13.6273

■ 9.9519, 11.9350,
13.0787

■ 12.0539, 12.9960,
14.1958

■ 9.1009, 11.5071,
12.5487

■ 13.3157, 13.6348,
14.7836

■ 8.3754, 11.1437,
12.0372

■ 14.7250, 14.3493,
15.3914

■ 7.7687, 10.8412,
11.5440

■ 16.2864, 15.1420,
16.0195

■ 7.2738, 10.5961,
11.0684

■ 18.0046, 16.0152,
16.6682

■ 6.8828, 10.4043,
10.6101

■ 19.8838, 16.9711,
17.3377

■ 6.5869, 10.2612,
10.1686

■ 21.9283, 18.0119,
18.0283

■ 6.3680, 10.1575,
9.7428

■ 24.1421, 19.1397,
18.7404

■ 6.2592, 10.1062,
9.5227

■ 26.5291, 20.3565,
19.4742

Harmonies

Analogous

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



11.0337, 12.4298, 12.3574



10.9340, 12.4298, 13.6273



11.0649, 12.4298, 14.9546

Triad

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



10.9340, 12.4298, 13.6273



12.3003, 12.4298, 15.8475



12.2425, 12.4298, 11.3741

Complementary

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



10.9340, 12.4298, 13.6273



10.7336, 10.3797, 11.1112

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.



12.5965, 12.4298, 12.2062



10.9340, 12.4298, 13.6273



12.6305, 12.4298, 14.7828

Square

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



10.9340, 12.4298, 13.6273



11.8467, 12.4298, 16.2882



12.7403, 12.4298, 13.4410



11.7817, 12.4298, 11.1091

Rectangle

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



10.9340, 12.4298, 13.6273



11.2673, 12.4298, 15.6791



12.7403, 12.4298, 13.4410



12.3784, 12.4298, 11.5939

Sweetspot

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



10.9344, 12.4303, 13.6276



21.2628, 22.8539, 24.9553



10.7129, 12.3776, 10.8416



4.9874, 5.3769, 5.8733



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.



10.9344, 12.4303, 13.6276



18.4914, 21.4539, 23.5280



10.6735, 11.6747, 14.2618



2.8813, 3.1763, 3.4765



8.0249, 12.9736, 12.1587



41.5397, 67.5384, 61.7576

Inverse Universe

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



10.7336, 10.3797, 11.1112



18.0592, 17.0379, 18.1098



10.9627, 11.0383, 10.5699



2.8498, 2.8546, 3.0817



7.1916, 3.6896, 1.1416



37.2470, 19.1388, 4.5782

Previews

White Background



This preview shows how the XYZ color 10.9340, 12.4298, 13.6273 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 10.9340, 12.4298, 13.6273 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

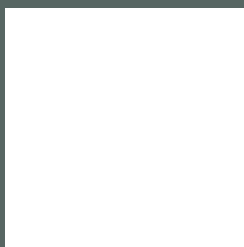
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.9340, 12.4298, 13.6273

Background



This preview shows how black text looks on a background with the XYZ color 10.9340, 12.4298, 13.6273.



This preview shows how white text looks on a background with the XYZ color 10.9340, 12.4298,

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

10.9340, 12.4298, 13.6273

Protanopia

11.8922, 12.3651, 13.0692

Deuteranopia

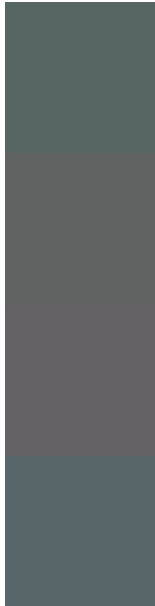
12.5465, 12.4116, 13.7910



Tritanopia

11.5338, 12.5353, 16.2797

Trichromacy



Original Color

10.9340, 12.4298, 13.6273

Protanomaly

11.4903, 12.2923, 13.3223

Deuteranomaly

11.9235, 12.3648, 13.8148

Tritanomaly

11.2280, 12.4020, 15.1666

Monochromacy



Original Color

10.9340, 12.4298, 13.6273

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.1806, 12.1327, 13.3078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.9340, 12.4298, 13.6273 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(87, 102, 99) looks like.

```
.text, #text, p{  
    color:rgb(87, 102, 99)  
}
```

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(87, 102, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 102, 99) }
```

Border

The CSS property to change the border of an element to XYZ 10.9340, 12.4298, 13.6273 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(87, 102, 99) }
```


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

```
.border{ border-color:rgb(87, 102, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 102, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 102, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 102, 99);  
box-shadow:4px 4px 4px 4px rgb(87, 102,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 10.9340, 12.4298, 13.6273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 102, 99) }
```

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

```
.background{ background-color: rgb(87, 102,  
99) }
```

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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