

Converting Colors

XYZ(10.9884, 12.7866, 16.9358)

Have a look what the booklet for
XYZ(10.9884, 12.7866, 16.9358)
contains.

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Color

**XYZ(10.9814, 12.8286,
16.9363)**

Conversions

Conversions Part 1

Format	Color
Hex	4D696F
RGB	77, 105, 111
RGB Percent	30%, 41%, 44%
CMY	0.6980, 0.5882, 0.5647
CMYK	0.31, 0.05, 0.00, 0.56
HSL	191°, 18%, 37%
HSV	191°, 31%, 44%
XYZ	10.9814, 12.8286, 16.9363
YIQ	97.3120, -18.6140, -4.0700

Conversions

Conversions Part 2

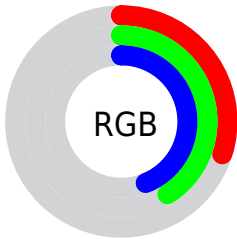
Format	Color
RYB	77, 92, 111
Decimal	5073263
CIELab	42.50, -8.65, -6.69
CIElCh	43, 10.933, 217.732
Yxy	12.8286, 0.2695, 0.3148
Android (android.graphics.Color)	4283263343 (0xFF4D696F)
YUV	97.3120, 6.7482, -17.8136
Hunter-Lab	35.8170, -7.9522, -2.9637

Details

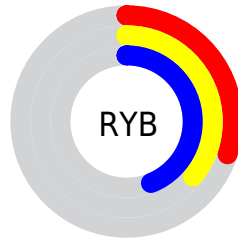
The XYZ color **10.9814, 12.8286, 16.9363** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.9886, 10.1021, 8.3923**, and the grayscale version is **11.4265, 12.0216, 13.0915**.

A 20% lighter version of the original color is **27.2517, 30.9333, 39.1847**, and **2.9457, 3.6610, 5.2540** is the 20% darker color. If you saturate the color by 10%, you get **9.9640, 12.0117, 16.8325**, and if you desaturate by 10%, it is **12.1570, 13.7345, 17.0494**.

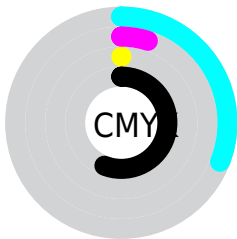
Distribution



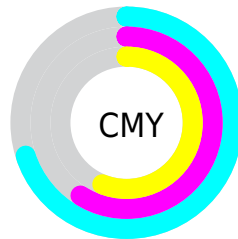
- Red (30%)
- Green (41%)
- Blue (44%)



- Red (30%)
- Yellow (36%)
- Blue (44%)



- Cyan (31%)
- Magenta (5%)
- Yellow (0%)
- Black (56%)



- Cyan (70%)
- Magenta (59%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.9814, 12.8286, 16.9363 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 10.9814, 12.8286, 16.9363 by changing the saturation by 10% instead.

■ 10.9814, 12.8286,
16.9363

■ 10.9814, 12.8286,
16.9363

191.4508,
209.8163, 246.8365

■ 6.1215, 7.3106,
10.0276

■ 27.2590, 30.9955,
39.0054

■ 2.9605, 3.6571,
5.3114

■ 39.4075, 44.4132,
55.0028

■ 1.1329, 1.4837,
2.3692

■ 54.7162, 61.2330,
74.8670

■ 0.0524, 0.2772,
0.7696

■ 73.5505, 81.8392,
99.0163

■ 0.0000, 0.0000,
0.0000

■ 96.2758, 106.6162,
127.8694

123.2573,

135.9485, 161.8448

154.8606,
170.2204, 201.3610

■ 10.9814, 12.8286,
16.9363

■ 10.9814, 12.8286,
16.9363

■ 9.9640, 12.0117,
16.8325

■ 12.1570, 13.7345,
17.0494

■ 9.0959, 11.2782,
16.7366

■ 13.4970, 14.7318,
17.1713

■ 8.3690, 10.6242,
16.6487

■ 15.0084, 15.8243,
17.3025

■ 7.7740, 10.0449,
16.5683

■ 16.6978, 17.0155,
17.4434

■ 7.3004, 9.5348,
16.4948

■ 18.5711, 18.3085,
17.5942

■ 6.9359, 9.0876,
16.4277

■ 20.6341, 19.7064,
17.7553

■ 6.6460, 8.7011,
16.3683

■ 22.8924, 21.2120,
17.9269

■ 25.3512, 22.8281,
18.1092

■ 28.0156, 24.5574,
18.3026

Harmonies

Analogous

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



10.6882, 12.8286, 14.5883



10.9814, 12.8286, 16.9363



11.6020, 12.8286, 18.6073

Triad

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



10.9814, 12.8286, 16.9363



13.7206, 12.8286, 15.7610



11.9811, 12.8286, 9.9334

Complementary

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



10.9814, 12.8286, 16.9363



10.9886, 10.1021, 8.3923

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.



12.8041, 12.8286, 10.1723



10.9814, 12.8286, 16.9363



13.8332, 12.8286, 13.3659

Square

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



10.9814, 12.8286, 16.9363



13.1898, 12.8286, 17.8772



13.4910, 12.8286, 11.3688



11.2481, 12.8286, 10.6750

Rectangle

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



10.9814, 12.8286, 16.9363



12.1306, 12.8286, 19.0161



13.4910, 12.8286, 11.3688



12.2561, 12.8286, 9.9034

Sweetspot

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



10.9818, 12.8291, 16.9366



24.5244, 26.6399, 30.7792



10.2938, 13.5663, 10.1927



5.8195, 6.3472, 7.3881



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.



10.9818, 12.8291, 16.9366



18.2933, 21.8776, 30.1884



9.4473, 9.7601, 16.4251



3.4274, 3.7200, 4.2916



7.8148, 10.2200, 19.2824



38.3658, 49.7835, 95.8662

Inverse Universe

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



11.7596, 9.7076, 14.6191



19.9629, 15.4053, 25.1621



12.4206, 12.9662, 8.8696



3.4904, 3.4439, 4.1091



9.9629, 4.8775, 12.1465



49.3453, 24.1834, 59.0096

Previews

White Background



This preview shows how the XYZ color 10.9814, 12.8286, 16.9363 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 10.9814, 12.8286, 16.9363 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 10.9814, 12.8286, 16.9363

Background



This preview shows how black text looks on a background with the XYZ color 10.9814, 12.8286, 16.9363.



This preview shows how white text looks on a background with the XYZ color 10.9814, 12.8286,

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

10.9814, 12.8286, 16.9363

Protanopia

12.4241, 12.7157, 15.9869

Deuteranopia

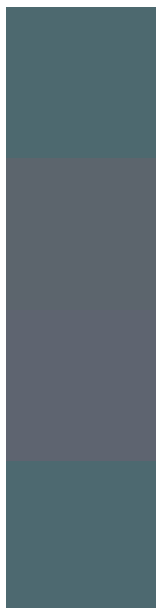
12.9643, 12.6847, 17.3879



Tritanopia

11.0928, 12.8732, 17.5229

Trichromacy



Original Color

10.9814, 12.8286, 16.9363

Protanomaly

11.8276, 12.6868, 16.2934

Deuteranomaly

12.0979, 12.6639, 17.1360

Tritanomaly

11.0368, 12.8508, 17.2280

Monochromacy



Original Color

10.9814, 12.8286, 16.9363

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.1719, 12.2473, 14.3455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.9814, 12.8286, 16.9363 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(77, 105, 111)` looks like.

```
.text, #text, p{  
    color:rgb(77, 105, 111)  
}
```

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(77, 105, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 105, 111) }
```

Border

The CSS property to change the border of an element to XYZ 10.9814, 12.8286, 16.9363 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(77, 105, 111) }
```


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

```
.border{ border-color:rgb(77, 105, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 105, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 105, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 105, 111);  
box-shadow:4px 4px 4px 4px rgb(77, 105,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 10.9814, 12.8286, 16.9363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 105, 111) }
```

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

```
.background{ background-color: rgb(77, 105,  
111) }
```

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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