

Converting Colors

XYZ(12.6374, 12.1244, 16.5770)

Have a look what the booklet for
XYZ(12.6374, 12.1244, 16.5770)
contains.

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Color

**XYZ(12.6976, 12.1564,
16.7161)**

Conversions

Conversions Part 1

Format	Color
Hex	695E6F
RGB	105, 94, 111
RGB Percent	41%, 37%, 44%
CMY	0.5882, 0.6314, 0.5647
CMYK	0.05, 0.15, 0.00, 0.56
HSL	279°, 8%, 40%
HSV	279°, 15%, 44%
XYZ	12.6976, 12.1564, 16.7161
YIQ	99.2270, 1.0990, 7.6190

Conversions

Conversions Part 2

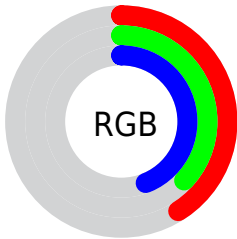
Format	Color
R _Y B	105, 94, 111
Decimal	6905455
CIE Lab	41.46, 7.91, -8.02
CIE LCh	41, 11.265, 314.632
Yxy	12.1564, 0.3055, 0.2924
Android (android.graphics.Color)	4285095535 (0xFF695E6F)
YUV	99.2270, 5.8041, 5.0629
Hunter-Lab	34.8660, 3.9910, -4.0197

Details

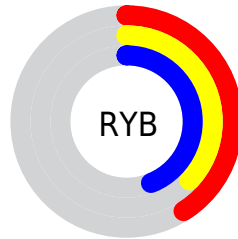
The XYZ color **12.6976, 12.1564, 16.7161** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.9609, 14.8867, 12.7807**, and the grayscale version is **11.9029, 12.5228, 13.6373**.

A 20% lighter version of the original color is **30.2944, 29.6588, 38.7784**, and **3.6991, 3.3723, 5.1586** is the 20% darker color. If you saturate the color by 10%, you get **11.3311, 10.0908, 16.3896**, and if you desaturate by 10%, it is **14.2280, 14.5179, 17.0914**.

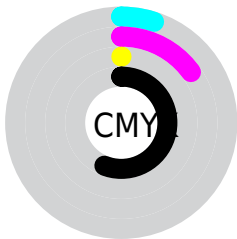
Distribution



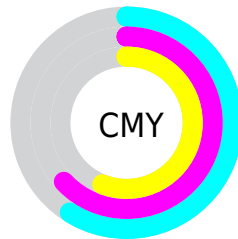
- Red (41%)
- Green (37%)
- Blue (44%)



- Red (41%)
- Yellow (37%)
- Blue (44%)



- Cyan (5%)
- Magenta (15%)
- Yellow (0%)
- Black (56%)



- Cyan (59%)
- Magenta (63%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6976, 12.1564, 16.7161 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 12.6976, 12.1564, 16.7161 by changing the saturation by 10% instead.

■ 12.6976, 12.1564,
16.7161

■ 12.6976, 12.1564,
16.7161

202.6474,
205.4380, 245.5193

■ 7.2962, 6.8503,
9.8725

■ 30.3654, 29.7796,
38.6209

■ 3.6960, 3.3686,
5.2100

■ 43.3625, 42.8655,
54.5192

■ 1.5316, 1.3271,
2.3101

■ 59.6222, 59.3135,
74.2728

■ 0.3472, 0.1620,
0.7369

■ 79.5099, 79.5079,
98.3003

■ 0.0000, 0.0000,
0.0000

103.3909,
103.8332, 127.0201

131.6306,

132.6737, 160.8509

164.5943,
166.4138, 200.2111

■ 12.6976, 12.1564,
16.7161

■ 12.6976, 12.1564,
16.7161

■ 11.3311, 10.0908,
16.3896

■ 14.2280, 14.5179,
17.0914

■ 10.1211, 8.3074,
16.1091

■ 15.9272, 17.1853,
17.5167

■ 9.0612, 6.7935,
15.8728

■ 17.8012, 20.1699,
17.9941

■ 8.1442, 5.5351,
15.6782

■ 19.8553, 23.4820,
18.5251

■ 7.3620, 4.5167,
15.5229

■ 22.0946, 27.1316,
19.1115

■ 6.7059, 3.7212,
15.4039

■ 24.5241, 31.1280,
19.7548

■ 6.1659, 3.1289,
15.3181

■ 27.1485, 35.4802,
20.4566

■ 5.7231, 2.7027,
15.2591

■ 29.9722, 40.1971,
21.2182

■ 5.5280, 2.5183,
15.2338

■ 32.9998, 45.2870,
22.0411

Harmonies

Analogous

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



11.9571, 12.1564, 18.1028



12.6976, 12.1564, 16.7161



13.1420, 12.1564, 14.4691

Triad

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



12.6976, 12.1564, 16.7161



11.9771, 12.1564, 9.3427



10.0951, 12.1564, 14.4098

Complementary

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



12.6976, 12.1564, 16.7161



12.9609, 14.8867, 12.7807

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.



10.0999, 12.1564, 12.0755



12.6976, 12.1564, 16.7161



11.1606, 12.1564, 9.3308

Square

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



12.6976, 12.1564, 16.7161



12.7128, 12.1564, 10.3110



10.4818, 12.1564, 10.2763



10.4684, 12.1564, 16.6683

Rectangle

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



12.6976, 12.1564, 16.7161



13.1979, 12.1564, 12.8750



10.4818, 12.1564, 10.2763



10.0531, 12.1564, 13.6042

Sweetspot

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



12.6980, 12.1569, 16.7164



25.5286, 26.0762, 30.6175



12.0655, 12.6871, 16.8520



6.0953, 6.2059, 7.3463



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.



12.6980, 12.1569, 16.7164



21.9289, 20.5372, 29.7381



13.3046, 12.4839, 16.1015



3.4057, 3.3974, 4.2305



6.4855, 2.9528, 17.9497



31.3460, 14.2138, 89.3706

Inverse Universe

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



12.8590, 12.3057, 13.7549



22.2821, 20.8595, 23.4202



12.4247, 14.5984, 13.2944



3.4286, 3.4192, 3.7839



8.1484, 4.1517, 2.5915



40.2147, 20.5312, 10.9286

Previews

White Background



This preview shows how the XYZ color 12.6976, 12.1564, 16.7161 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 12.6976, 12.1564, 16.7161 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 12.6976, 12.1564, 16.7161

Background



This preview shows how black text looks on a background with the XYZ color 12.6976, 12.1564, 16.7161.



This preview shows how white text looks on a background with the XYZ color 12.6976, 12.1564,

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

12.6976, 12.1564, 16.7161

Protanopia

11.9746, 12.1745, 17.3416

Deuteranopia

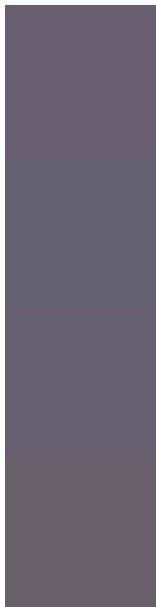
12.3283, 12.0988, 16.7245



Tritanopia

12.2493, 12.1067, 14.5232

Trichromacy



Original Color

12.6976, 12.1564, 16.7161

Protanomaly

12.2531, 12.1882, 17.0360

Deuteranomaly

12.4409, 12.1569, 16.7297

Tritanomaly

12.4026, 12.1681, 15.3307

Monochromacy



Original Color

12.6976, 12.1564, 16.7161

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.0897, 12.2954, 14.5680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6976, 12.1564, 16.7161 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(105, 94, 111)` looks like.

```
.text, #text, p{  
  color:rgb(105, 94, 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(105, 94, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 94, 111) }
```

Border

The CSS property to change the border of an element to XYZ 12.6976, 12.1564, 16.7161 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(105, 94, 111) }
```


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

```
.border{ border-color:rgb(105, 94, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 94, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 94, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 94, 111);  
box-shadow:4px 4px 4px 4px rgb(105, 94,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6976, 12.1564, 16.7161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 94, 111) }
```

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

```
.background{ background-color: rgb(105, 94,  
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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