

Converting Colors

XYZ(12.7528, 11.4409, 16.4500)

Have a look what the booklet for
XYZ(12.7528, 11.4409, 16.4500)
contains.

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Color

**XYZ(12.7894, 11.4421,
16.5734)**

Conversions

Conversions Part 1

Format	Color
Hex	6E586F
RGB	110, 88, 111
RGB Percent	43%, 35%, 44%
CMY	0.5686, 0.6549, 0.5647
CMYK	0.01, 0.21, 0.00, 0.56
HSL	297°, 12%, 39%
HSV	297°, 21%, 44%
XYZ	12.7894, 11.4421, 16.5734
YIQ	97.2000, 5.7290, 11.8170

Conversions

Conversions Part 2

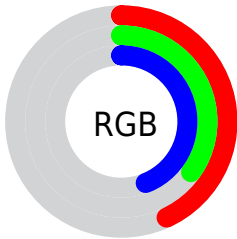
Format	Color
R_{YB}	110, 88, 111
Decimal	7231599
CIE Lab	40.32, 13.48, -9.69
CIE LCh	40, 16.600, 324.285
Yxy	11.4421, 0.3134, 0.2804
Android (android.graphics.Color)	4285421679 (0xFF6E586F)
YUV	97.2000, 6.8034, 11.2256
Hunter-Lab	33.8262, 8.2936, -5.3713

Details

The XYZ color **12.7894, 11.4421, 16.5734** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.5660, 14.1975, 11.3638**, and the grayscale version is **11.3945, 11.9879, 13.0548**.

A 20% lighter version of the original color is **30.5996, 28.5027, 38.5391**, and **3.7118, 3.0389, 5.0936** is the 20% darker color. If you saturate the color by 10%, you get **11.8870, 9.7260, 16.2899**, and if you desaturate by 10%, it is **13.8316, 13.4369, 16.9037**.

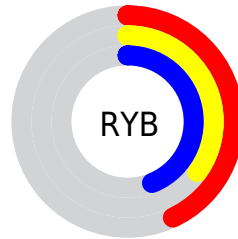
Distribution



Red (43%)

Green (35%)

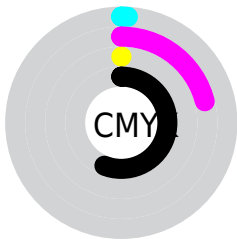
Blue (44%)



Red (43%)

Yellow (35%)

Blue (44%)

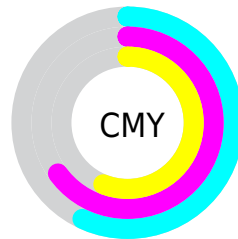


Cyan (1%)

Magenta (21%)

Yellow (0%)

Black (56%)



Cyan (57%)

Magenta (65%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7894, 11.4421, 16.5734 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 12.7894, 11.4421, 16.5734 by changing the saturation by 10% instead.

■ 12.7894, 11.4421,
16.5734

■ 12.7894, 11.4421,
16.5734

203.2285,
200.6760, 244.6620

■ 7.3597, 6.3650,
9.7721

■ 30.5295, 28.4748,
38.3714

■ 3.7364, 3.0683,
5.1445

■ 43.5705, 41.1993,
54.2051

■ 1.5541, 1.1675,
2.2721

■ 59.8794, 57.2417,
73.8867

■ 0.3622, 0.0349,
0.7155

■ 79.8214, 76.9863,
97.8348

■ 0.0000, 0.0000,
0.0000

■ 103.7620,
100.8177, 126.4678

132.0665,

129.1202, 160.2043

165.1002,
162.2782, 199.4629

■ 12.7894, 11.4421,
16.5734

■ 12.7894, 11.4421,
16.5734

■ 11.8870, 9.7260,
16.2899

■ 13.8316, 13.4369,
16.9037

■ 11.1171, 8.2746,
16.0503

■ 15.0183, 15.7206,
17.2819

■ 10.4733, 7.0749,
15.8527

■ 16.3555, 18.3047,
17.7102

■ 9.9483, 6.1122,
15.6945

■ 17.8485, 21.1998,
18.1904

■ 9.5340, 5.3705,
15.5732

■ 19.5021, 24.4157,
18.7239

■ 9.2212, 4.8314,
15.4856

■ 21.3211, 27.9621,
19.3126

■ 8.9995, 4.4740,
15.4283

■ 23.3102, 31.8479,
19.9578

■ 8.8343, 4.2228,
15.3886

■ 25.4737, 36.0821,
20.6610

■ 27.8157, 40.6730,
21.4237

Harmonies

Analogous

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



11.8191, 11.4421, 19.2379



12.7894, 11.4421, 16.5734



13.2500, 11.4421, 13.1058

Triad

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



12.7894, 11.4421, 16.5734



11.0991, 11.4421, 7.1206



8.9657, 11.4421, 15.2756

Complementary

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



12.7894, 11.4421, 16.5734



11.5660, 14.1975, 11.3638

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.



8.8029, 11.4421, 11.8329



12.7894, 11.4421, 16.5734



9.9833, 11.4421, 7.4945

Square

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



12.7894, 11.4421, 16.5734



12.2305, 11.4421, 7.9572



9.1625, 11.4421, 9.0882



9.6242, 11.4421, 18.4002

Rectangle

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



12.7894, 11.4421, 16.5734



13.1841, 11.4421, 10.9474



9.1625, 11.4421, 9.0882



8.8533, 11.4421, 14.1026

Sweetspot

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



12.7897, 11.4426, 16.5736



25.7028, 25.8583, 30.5662



10.4790, 10.3926, 16.4928



6.1515, 6.1671, 7.3359



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.



12.7897, 11.4426, 16.5736



22.0695, 18.9038, 29.4154



12.3774, 11.2921, 13.7498



3.5008, 3.4464, 4.2349



10.4044, 4.9731, 18.1331



51.6350, 24.6732, 90.3201

Inverse Universe

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



11.8488, 11.0806, 10.9658



20.0556, 18.1303, 17.3637



11.9305, 14.3323, 13.7801



3.3898, 3.4036, 3.5796



7.7535, 3.9938, 0.5118



38.5403, 19.8614, 2.1113

Previews

White Background



This preview shows how the XYZ color 12.7894, 11.4421, 16.5734 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 12.7894, 11.4421, 16.5734 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 12.7894, 11.4421, 16.5734

Background



This preview shows how black text looks on a background with the XYZ color 12.7894, 11.4421, 16.5734.



This preview shows how white text looks on a background with the XYZ color 12.7894, 11.4421,

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

12.7894, 11.4421, 16.5734

Protanopia

11.4116, 11.4674, 17.8316

Deuteranopia

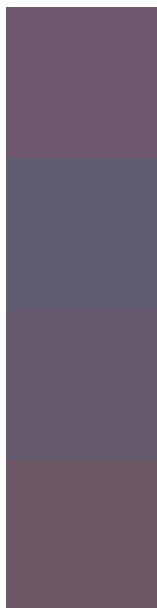
11.6586, 11.4959, 16.3563



Tritanopia

11.9982, 11.3635, 12.8703

Trichromacy



Original Color

12.7894, 11.4421, 16.5734

Protanomaly

11.9014, 11.4659, 17.5054

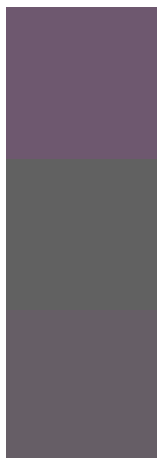
Deuteranomaly

12.0350, 11.4327, 16.3243

Tritanomaly

12.2773, 11.3553, 14.1151

Monochromacy



Original Color

12.7894, 11.4421, 16.5734

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.8805, 11.7895, 14.2198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7894, 11.4421, 16.5734 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(110, 88, 111)` looks like.

```
.text, #text, p{  
    color:rgb(110, 88, 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(110, 88, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 88, 111) }
```

Border

The CSS property to change the border of an element to XYZ 12.7894, 11.4421, 16.5734 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(110, 88, 111) }
```


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

```
.border{ border-color:rgb(110, 88, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 88, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 88, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 88, 111);  
box-shadow:4px 4px 4px 4px rgb(110, 88,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7894, 11.4421, 16.5734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 88, 111) }
```

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

```
.background{ background-color: rgb(110, 88,  
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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