

Converting Colors

XYZ(9.6984, 12.5721, 12.7154)

Have a look what the booklet for
XYZ(9.6984, 12.5721, 12.7154)
contains.

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Color

**XYZ(9.7071, 12.5706,
12.7412)**

Conversions

Conversions Part 1

Format	Color
Hex	446B5F
RGB	68, 107, 95
RGB Percent	27%, 42%, 37%
CMY	0.7333, 0.5804, 0.6274
CMYK	0.36, 0.00, 0.11, 0.58
HSL	162°, 22%, 34%
HSV	162°, 36%, 42%
XYZ	9.7071, 12.5706, 12.7412
YIQ	93.9710, -19.3920, -12.0000

Conversions

Conversions Part 2

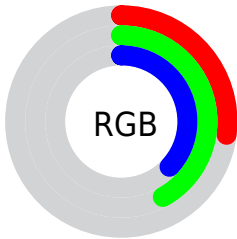
Format	Color
RYB	68, 91, 107
Decimal	4483935
CIELab	42.11, -16.75, 2.36
CIElCh	42, 16.920, 171.970
Yxy	12.5706, 0.2772, 0.3590
Android (android.graphics.Color)	4282674015 (0xFF446B5F)
YUV	93.9710, 0.5073, -22.7766
Hunter-Lab	35.4550, -13.1755, 3.5119

Details

The XYZ color **9.7071, 12.5706, 12.7412** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.5789, 7.8394, 8.5981**, and the grayscale version is **10.6348, 11.1887, 12.1845**.

A 20% lighter version of the original color is **24.9802, 30.6922, 31.3956**, and **2.4276, 3.5091, 3.4551** is the 20% darker color. If you saturate the color by 10%, you get **8.8815, 12.1622, 11.9379**, and if you desaturate by 10%, it is **10.6760, 13.0528, 13.5848**.

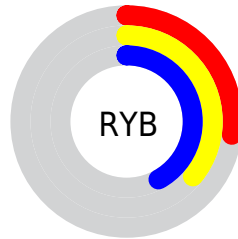
Distribution



Red (27%)

Green (42%)

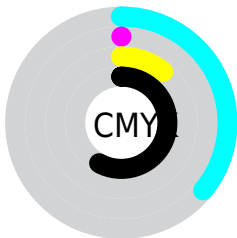
Blue (37%)



Red (27%)

Yellow (36%)

Blue (42%)

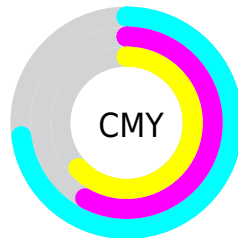


Cyan (36%)

Magenta (0%)

Yellow (11%)

Black (58%)



Cyan (73%)

Magenta (58%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.7071, 12.5706, 12.7412 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 9.7071, 12.5706, 12.7412 by changing the saturation by 10% instead.

■ 9.7071, 12.5706,
12.7412

■ 9.7071, 12.5706,
12.7412

182.6663,
208.1471, 220.4016

■ 5.2660, 7.1335,
7.1220

■ 24.8978, 30.5302,
31.5224

■ 2.4405, 3.5458,
3.4589

■ 36.3781, 43.8214,
45.5214

■ 0.8653, 1.4229,
1.3335

■ 50.9355, 60.4996,
63.1508

■ 0.0000, 0.2335,
0.0890

■ 68.9353, 80.9490,
84.8290

■ 0.0000, 0.0000,
0.0000

■ 90.7430, 105.5540,
110.9747

116.7238,

134.6991, 142.0063

147.2431,
168.7687, 178.3424

■ 9.7071, 12.5706,
12.7412

■ 9.7071, 12.5706,
12.7412

■ 8.8815, 12.1622,
11.9379

■ 10.6760, 13.0528,
13.5848

■ 8.1906, 11.8223,
11.1732

■ 11.7941, 13.6108,
14.4685

■ 7.6266, 11.5470,
10.4468

■ 13.0682, 14.2484,
15.3934

■ 7.1803, 11.3318,
9.7576

■ 14.5044, 14.9689,
16.3601

■ 6.8414, 11.1711,
9.1048

■ 16.1084, 15.7751,
17.3692

■ 6.5839, 11.0518,
8.4868

■ 17.8858, 16.6699,
18.4213

■ 6.4966, 11.0114,
8.2750

■ 19.8416, 17.6560,
19.5171

■ 21.9810, 18.7359,
20.6572

■ 24.3087, 19.9120,
21.8421

Harmonies

Analogous

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



10.1403, 12.5706, 9.8440



9.7071, 12.5706, 12.7412



9.8401, 12.5706, 16.4491

Triad

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



9.7071, 12.5706, 12.7412



12.8770, 12.5706, 21.1783



13.5027, 12.5706, 8.9192

Complementary

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



9.7071, 12.5706, 12.7412



9.5789, 7.8394, 8.5981

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.



14.3372, 12.5706, 11.2533



9.7071, 12.5706, 12.7412



13.9586, 12.5706, 18.4195

Square

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



9.7071, 12.5706, 12.7412



11.6129, 12.5706, 21.7664



14.5096, 12.5706, 14.6790



12.2894, 12.5706, 7.9048

Rectangle

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



9.7071, 12.5706, 12.7412



10.2366, 12.5706, 18.8683



14.5096, 12.5706, 14.6790



13.8402, 12.5706, 9.5537

Sweetspot

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



9.7075, 12.5711, 12.7415



22.2549, 24.9394, 26.7485



9.6393, 12.6541, 7.4033



5.3328, 6.0095, 6.4351



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



9.7075, 12.5711, 12.7415



16.0682, 21.8588, 21.5454



9.5809, 11.3765, 15.6016



3.1441, 3.4768, 3.7427



7.8892, 13.3898, 9.9936



39.7976, 68.0661, 48.8087

Inverse Universe

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



9.5789, 7.8394, 8.5981



15.8027, 11.9960, 12.9217



9.6334, 8.5959, 6.6203



3.1346, 3.1307, 3.4389



7.6964, 3.9307, 2.0298



38.8678, 19.8890, 8.5063

Previews

White Background



This preview shows how the XYZ color 9.7071, 12.5706, 12.7412 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 9.7071, 12.5706, 12.7412 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 9.7071, 12.5706, 12.7412

Background



This preview shows how black text looks on a background with the XYZ color 9.7071, 12.5706, 12.7412.



This preview shows how white text looks on a background with the XYZ color 9.7071, 12.5706,

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

9.7071, 12.5706, 12.7412

Protanopia

11.9008, 12.5454, 11.4671

Deuteranopia

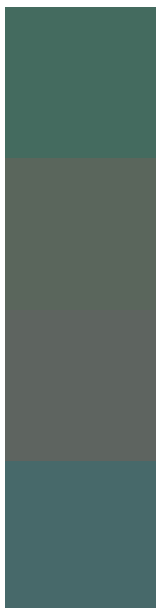
12.6472, 12.4800, 13.0516



Tritanopia

10.6034, 12.4706, 17.4710

Trichromacy



Original Color

9.7071, 12.5706, 12.7412

Protanomaly

10.8996, 12.4491, 11.9537

Deuteranomaly

11.2846, 12.3386, 12.8531

Tritanomaly

10.2516, 12.4834, 15.5049

Monochromacy



Original Color

9.7071, 12.5706, 12.7412

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.2285, 11.6631, 12.3018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.7071, 12.5706, 12.7412 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(68, 107, 95) looks like.

```
.text, #text, p{  
    color:rgb(68, 107, 95)  
}
```

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(68, 107, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 107, 95) }
```

Border

The CSS property to change the border of an element to XYZ 9.7071, 12.5706, 12.7412 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(68, 107, 95) }
```


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

```
.border{ border-color:rgb(68, 107, 95) }
```

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

Here you see how a box with a 4 pixel rgb(68, 107, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 107, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 107, 95);  
box-shadow:4px 4px 4px 4px rgb(68, 107,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 9.7071, 12.5706, 12.7412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 107, 95) }
```

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

```
.background{ background-color: rgb(68, 107,  
95) }
```

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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