

Converting Colors

XYZ(9.8026, 12.6772, 12.9745)

Have a look what the booklet for
XYZ(9.8026, 12.6772, 12.9745)
contains.

XYZ(9.7529, 12.5889, 12.9822)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(9.7529, 12.5889,
12.9822)**

Conversions

Conversions Part 1

Format	Color
Hex	446B60
RGB	68, 107, 96
RGB Percent	27%, 42%, 38%
CMY	0.7333, 0.5804, 0.6235
CMYK	0.36, 0.00, 0.10, 0.58
HSL	163°, 22%, 34%
HSV	163°, 36%, 42%
XYZ	9.7529, 12.5889, 12.9822
YIQ	94.0850, -19.7130, -11.6890

Conversions

Conversions Part 2

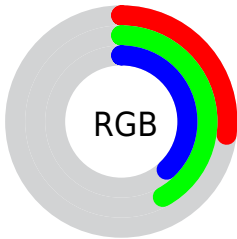
Format	Color
RYB	68, 91, 107
Decimal	4483936
CIELab	42.14, -16.51, 1.80
CIElCh	42, 16.607, 173.780
Yxy	12.5889, 0.2761, 0.3564
Android (android.graphics.Color)	4282674016 (0xFF446B60)
YUV	94.0850, 0.9441, -22.8765
Hunter-Lab	35.4808, -13.0258, 3.1428

Details

The XYZ color **9.7529, 12.5889, 12.9822** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.5422, 7.8248, 8.4050**, and the grayscale version is **10.6609, 11.2161, 12.2143**.

A 20% lighter version of the original color is **25.0577, 30.7231, 31.8036**, and **2.4489, 3.5176, 3.5675** is the 20% darker color. If you saturate the color by 10%, you get **8.9375, 12.1846, 12.2327**, and if you desaturate by 10%, it is **10.7106, 13.0666, 13.7668**.

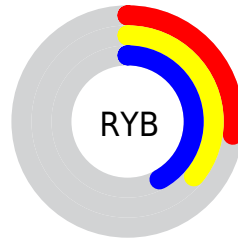
Distribution



Red (27%)

Green (42%)

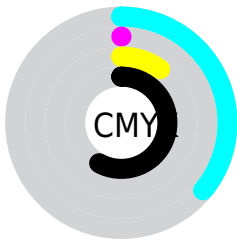
Blue (38%)



Red (27%)

Yellow (36%)

Blue (42%)

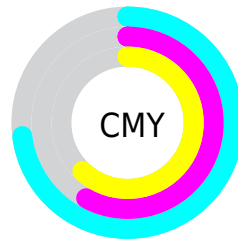


Cyan (36%)

Magenta (0%)

Yellow (10%)

Black (58%)



Cyan (73%)

Magenta (58%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.7529, 12.5889, 12.9822 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 9.7529, 12.5889, 12.9822 by changing the saturation by 10% instead.

9.7529, 12.5889,
12.9822

9.7529, 12.5889,
12.9822

182.9900,
208.2659, 222.0074

5.2964, 7.1461,
7.2857

24.9836, 30.5632,
31.9625

2.4588, 3.5536,
3.5603

36.4885, 43.8635,
46.0834

0.8745, 1.4271,
1.3874

51.0737, 60.5517,
63.8496

0.0000, 0.2366,
0.1318

69.1044, 81.0123,
85.6794

0.0000, 0.0000,
0.0000

90.9460, 105.6296,
111.9916

116.9640,

134.7881, 143.2046

147.5235,
168.8720, 179.7371

■ 9.7529, 12.5889,
12.9822

■ 9.7529, 12.5889,
12.9822

■ 8.9375, 12.1846,
12.2327

■ 10.7106, 13.0666,
13.7668

■ 8.2558, 11.8484,
11.5167

■ 11.8165, 13.6197,
14.5862

■ 7.7001, 11.5764,
10.8339

■ 13.0774, 14.2521,
15.4413

■ 7.2612, 11.3641,
10.1834

■ 14.4993, 14.9668,
16.3327

■ 6.9287, 11.2060,
9.5646

■ 16.0880, 15.7669,
17.2610

■ 6.6767, 11.0889,
8.9757

■ 17.8489, 16.6552,
18.2267

■ 6.5911, 11.0492,
8.7731

■ 19.7872, 17.6342,
19.2303

■ 21.9080, 18.7066,
20.2723

■ 24.2159, 19.8749,
21.3532

Harmonies

Analogous

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



10.1470, 12.5889, 10.0628



9.7529, 12.5889, 12.9822



9.9178, 12.5889, 16.6419

Triad

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



9.7529, 12.5889, 12.9822



12.9504, 12.5889, 20.9346



13.4268, 12.5889, 8.9128

Complementary

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



9.7529, 12.5889, 12.9822



9.5422, 7.8248, 8.4050

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.



14.2769, 12.5889, 11.1395



9.7529, 12.5889, 12.9822



13.9890, 12.5889, 18.1397

Square

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



9.7529, 12.5889, 12.9822



11.7095, 12.5889, 21.6566



14.4894, 12.5889, 14.4586



12.2250, 12.5889, 7.9887

Rectangle

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



9.7529, 12.5889, 12.9822



10.3287, 12.5889, 18.9819



14.4894, 12.5889, 14.4586



13.7664, 12.5889, 9.5131

Sweetspot

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



9.7533, 12.5894, 12.9825



22.2829, 24.9506, 26.8962



9.5301, 12.5977, 7.3983



5.3402, 6.0124, 6.4738



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.



9.7533, 12.5894, 12.9825



16.1663, 21.8980, 22.0621



9.4574, 11.1296, 15.5604



3.1472, 3.4781, 3.7589



8.0049, 13.4360, 10.6026



40.4034, 68.3084, 51.9985

Inverse Universe

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



9.5422, 7.8248, 8.4050



15.7292, 11.9666, 12.5343



9.7227, 8.7746, 6.6502



3.1316, 3.1295, 3.4234



7.6522, 3.9130, 1.7973



38.6623, 19.8069, 7.4242

Previews

White Background



This preview shows how the XYZ color 9.7529, 12.5889, 12.9822 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 9.7529, 12.5889, 12.9822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

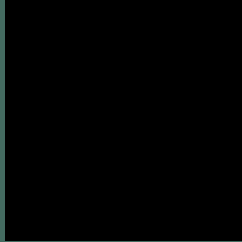
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.7529, 12.5889, 12.9822

Background



This preview shows how black text looks on a background with the XYZ color 9.7529, 12.5889, 12.9822.



This preview shows how white text looks on a background with the XYZ color 9.7529, 12.5889,

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

9.7529, 12.5889, 12.9822

Protanopia

11.9437, 12.5626, 11.6928

Deuteranopia

12.6942, 12.4988, 13.2987



Tritanopia

10.7047, 12.6731, 17.5047

Trichromacy



Original Color

9.7529, 12.5889, 12.9822

Protanomaly

10.9436, 12.4667, 12.1855

Deuteranomaly

11.3309, 12.3571, 13.0972

Tritanomaly

10.4064, 12.7092, 15.8146

Monochromacy



Original Color

9.7529, 12.5889, 12.9822

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.2737, 11.6812, 12.5397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.7529, 12.5889, 12.9822 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, 96) looks like.

```
.text, #text, p{  
    color:rgb(68, 107, 96)  
}
```

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, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 107, 96) }
```

Border

The CSS property to change the border of an element to XYZ 9.7529, 12.5889, 12.9822 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, 96) }
```


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

```
.border{ border-color:rgb(68, 107, 96) }
```

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, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 107, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 107, 96);  
box-shadow:4px 4px 4px 4px rgb(68, 107,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 9.7529, 12.5889, 12.9822 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, 96) }
```

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

```
.background{ background-color: rgb(68, 107,  
96) }
```

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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