

Converting Colors

XYZ(9.9284, 13.1310, 12.2062)

Have a look what the booklet for
XYZ(9.9284, 13.1310, 12.2062)
contains.

XYZ(9.9619, 13.1898, 12.1460)	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(9.9619, 13.1898,
12.1460)**

Conversions

Conversions Part 1

Format	Color
Hex	456E5C
RGB	69, 110, 92
RGB Percent	27%, 43%, 36%
CMY	0.7294, 0.5686, 0.6392
CMYK	0.37, 0.00, 0.16, 0.57
HSL	154°, 23%, 35%
HSV	154°, 37%, 43%
XYZ	9.9619, 13.1898, 12.1460
YIQ	95.6890, -18.6580, -14.2900

Conversions

Conversions Part 2

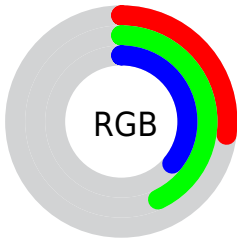
Format	Color
R_{YB}	69, 95, 110
Decimal	4550236
CIE _{Lab}	43.05, -18.77, 5.53
CIE _{LCh}	43, 19.572, 163.587
Yxy	13.1898, 0.2822, 0.3737
Android (android.graphics.Color)	4282740316 (0xFF456E5C)
YUV	95.6890, -1.8187, -23.4063
Hunter-Lab	36.3178, -14.5938, 5.5937

Details

The XYZ color **9.9619, 13.1898, 12.1460** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.2792, 8.2596, 10.0698**, and the grayscale version is **11.0507, 11.6262, 12.6609**.

A 20% lighter version of the original color is **25.4106, 31.7156, 30.3736**, and **2.5250, 3.8019, 3.1855** is the 20% darker color. If you saturate the color by 10%, you get **9.0484, 12.7429, 11.0362**, and if you desaturate by 10%, it is **11.0343, 13.7178, 13.3341**.

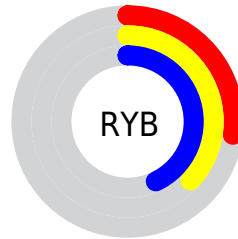
Distribution



Red (27%)

Green (43%)

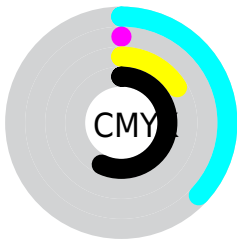
Blue (36%)



Red (27%)

Yellow (37%)

Blue (43%)

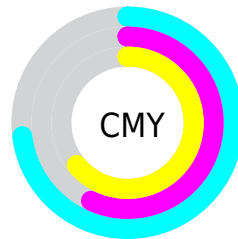


Cyan (37%)

Magenta (0%)

Yellow (16%)

Black (57%)



Cyan (73%)

Magenta (57%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.9619, 13.1898, 12.1460 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 9.9619, 13.1898, 12.1460 by changing the saturation by 10% instead.

■ 9.9619, 13.1898,
12.1460

■ 9.9619, 13.1898,
12.1460

184.4592,
212.1305, 216.3816

■ 5.4358, 7.5594,
6.7194

■ 25.3741, 31.6443,
30.4291

■ 2.5425, 3.8143,
3.2115

■ 36.9910, 45.2373,
44.1227

■ 0.9167, 1.5702,
1.2036

■ 51.7021, 62.2531,
61.4091

■ 0.0000, 0.3374,
0.0000

■ 69.8728, 83.0763,
82.7068

■ 0.0000, 0.0000,
0.0000

■ 91.8685, 108.0913,
108.4344

118.0546,

137.6824, 139.0103

148.7964,
172.2340, 174.8532

■ 9.9619, 13.1898,
12.1460

■ 9.9619, 13.1898,
12.1460

■ 9.0484, 12.7429,
11.0362

■ 11.0343, 13.7178,
13.3341

■ 8.2845, 12.3711,
10.0022

■ 12.2721, 14.3292,
14.6011

■ 7.6614, 12.0705,
9.0424

■ 13.6829, 15.0281,
15.9491

■ 7.1692, 11.8359,
8.1549

■ 15.2733, 15.8179,
17.3794

■ 6.7962, 11.6613,
7.3380

■ 17.0497, 16.7020,
18.8936

■ 6.5116, 11.5309,
6.5885

■ 19.0180, 17.6834,
20.4931

■ 6.4377, 11.4970,
6.3952

■ 21.1841, 18.7650,
22.1792

■ 23.5535, 19.9496,
23.9534

■ 26.1313, 21.2400,
25.8169

Harmonies

Analogous

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



10.6464, 13.1898, 9.1588



9.9619, 13.1898, 12.1460



9.9303, 13.1898, 16.3965

Triad

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



9.9619, 13.1898, 12.1460



13.2283, 13.1898, 24.0104



14.7501, 13.1898, 9.3743

Complementary

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



9.9619, 13.1898, 12.1460



10.2792, 8.2596, 10.0698

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.



15.5630, 13.1898, 12.5022



9.9619, 13.1898, 12.1460



14.6381, 13.1898, 21.2349

Square

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



9.9619, 13.1898, 12.1460



11.7370, 13.1898, 23.8618



15.5204, 13.1898, 16.8311



13.3715, 13.1898, 7.7914

Rectangle

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



9.9619, 13.1898, 12.1460



10.2783, 13.1898, 19.4481



15.5204, 13.1898, 16.8311



15.1033, 13.1898, 10.2494

Sweetspot

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



9.9623, 13.1903, 12.1463



22.9956, 25.8788, 27.0397



10.6231, 13.6301, 7.7012



5.2957, 5.9946, 6.2394



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.



9.9623, 13.1903, 12.1463



16.0496, 22.4558, 19.5838



10.6264, 13.1061, 16.7222



3.4161, 3.7916, 3.9973



7.7185, 13.8049, 7.6043



38.0100, 68.5926, 35.5677

Inverse Universe

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



10.2792, 8.2596, 10.0698



16.6969, 12.4040, 15.3561



9.7614, 8.2577, 6.7097



3.4397, 3.4236, 3.8420



8.3588, 4.2359, 3.6995



41.2200, 20.9333, 16.2227

Previews

White Background



This preview shows how the XYZ color 9.9619, 13.1898, 12.1460 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 9.9619, 13.1898, 12.1460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

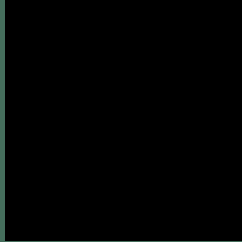
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.9619, 13.1898, 12.1460

Background



This preview shows how black text looks on a background with the XYZ color 9.9619, 13.1898, 12.1460.



This preview shows how white text looks on a background with the XYZ color 9.9619, 13.1898,

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

9.9619, 13.1898, 12.1460

Protanopia

12.3178, 13.0597, 10.8884

Deuteranopia

13.3727, 13.1390, 12.6577



Tritanopia

11.1762, 13.2090, 18.1802

Trichromacy



Original Color

9.9619, 13.1898, 12.1460

Protanomaly

11.2677, 12.9491, 11.3567

Deuteranomaly

11.8088, 12.9076, 12.4587

Tritanomaly

10.6889, 13.1644, 15.8875

Monochromacy



Original Color

9.9619, 13.1898, 12.1460

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.5570, 12.1120, 12.6079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9619, 13.1898, 12.1460 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(69, 110, 92) looks like.

```
.text, #text, p{  
    color:rgb(69, 110, 92)  
}
```

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(69, 110, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 110, 92) }
```

Border

The CSS property to change the border of an element to XYZ 9.9619, 13.1898, 12.1460 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(69, 110, 92) }
```


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

```
.border{ border-color:rgb(69, 110, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 110, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 110, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 110, 92);  
box-shadow:4px 4px 4px 4px rgb(69, 110,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 9.9619, 13.1898, 12.1460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 110, 92) }
```

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

```
.background{ background-color: rgb(69, 110,  
92) }
```

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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