

Converting Colors

XYZ(9.8102, 12.5060, 11.0921)

Have a look what the booklet for
XYZ(9.8102, 12.5060, 11.0921)
contains.

XYZ(9.8171, 12.5085, 11.1295)	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(9.8171, 12.5085,
11.1295)**

Conversions

Conversions Part 1

Format	Color
Hex	4B6A58
RGB	75, 106, 88
RGB Percent	29%, 42%, 35%
CMY	0.7059, 0.5843, 0.6549
CMYK	0.29, 0.00, 0.17, 0.58
HSL	145°, 17%, 35%
HSV	145°, 29%, 42%
XYZ	9.8171, 12.5085, 11.1295
YIQ	94.6790, -12.6980, -12.1700

Conversions

Conversions Part 2

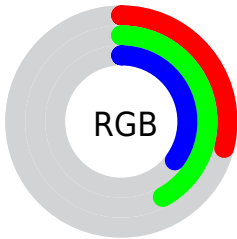
Format	Color
RYB	75, 97, 106
Decimal	4942424
CIELab	42.01, -15.46, 6.51
CIELCh	42, 16.777, 157.166
Yxy	12.5085, 0.2934, 0.3739
Android (android.graphics.Color)	4283132504 (0xFF4B6A58)
YUV	94.6790, -3.2927, -17.2585
Hunter-Lab	35.3674, -12.3457, 6.0996

Details

The XYZ color **9.8171, 12.5085, 11.1295** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.4361, 8.8868, 11.5216**, and the grayscale version is **10.8105, 11.3735, 12.3858**.

A 20% lighter version of the original color is **25.1019, 30.3089, 28.5719**, and **2.5067, 3.5636, 2.8412** is the 20% darker color. If you saturate the color by 10%, you get **8.8119, 12.0189, 9.8074**, and if you desaturate by 10%, it is **10.9827, 13.0790, 12.5721**.

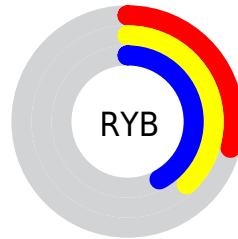
Distribution



Red (29%)

Green (42%)

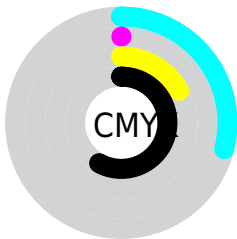
Blue (35%)



Red (29%)

Yellow (38%)

Blue (42%)

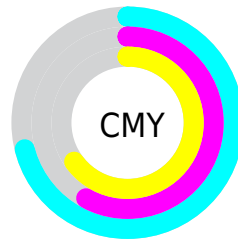


Cyan (29%)

Magenta (0%)

Yellow (17%)

Black (58%)



Cyan (71%)

Magenta (58%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.8171, 12.5085, 11.1295 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 9.8171, 12.5085, 11.1295 by changing the saturation by 10% instead.

■ 9.8171, 12.5085,
11.1295

■ 9.8171, 12.5085,
11.1295

183.4427,
207.7432, 209.3231

■ 5.3392, 7.0910,
6.0387

■ 25.1037, 30.4179,
28.5397

■ 2.4844, 3.5191,
2.7995

■ 36.6431, 43.6786,
41.6962

■ 0.8874, 1.4084,
0.9932

■ 51.2671, 60.3225,
58.3784

■ 0.0000, 0.2229,
0.0000

■ 69.3410, 80.7339,
79.0047

■ 0.0000, 0.0000,
0.0000

■ 91.2301, 105.2973,
103.9939

117.2999,

134.3970, 133.7643

147.9156,
168.4176, 168.7345

■ 9.8171, 12.5085,
11.1295

■ 9.8171, 12.5085,
11.1295

■ 8.8119, 12.0189,
9.8074

■ 10.9827, 13.0790,
12.5721

■ 7.9587, 11.6048,
8.6018

■ 12.3146, 13.7324,
14.1372

■ 7.2498, 11.2628,
7.5097

■ 13.8196, 14.4724,
15.8282

■ 6.6766, 10.9885,
6.5277

■ 15.5038, 15.3021,
17.6476

■ 6.2293, 10.7768,
5.6523

■ 17.3729, 16.2244,
19.5983

■ 5.8967, 10.6221,
4.8796

■ 19.4326, 17.2422,
21.6829

■ 5.6363, 10.5025,
4.2043

■ 21.6882, 18.3582,
23.9038

■ 5.6174, 10.4938,
4.1571

■ 24.1446, 19.5748,
26.2635

■ 26.8070, 20.8947,
28.7645

Harmonies

Analogous

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



10.5011, 12.5085, 8.8558



9.8171, 12.5085, 11.1295



9.6692, 12.5085, 14.4925

Triad

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



9.8171, 12.5085, 11.1295



12.1900, 12.5085, 21.6137



13.8996, 12.5085, 9.8848

Complementary

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



9.8171, 12.5085, 11.1295



10.4361, 8.8868, 11.5216

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.



14.4248, 12.5085, 12.7825



9.8171, 12.5085, 11.1295



13.3940, 12.5085, 19.8434

Square

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



9.8171, 12.5085, 11.1295



10.9843, 12.5085, 20.9624



14.2335, 12.5085, 16.4560



12.8420, 12.5085, 8.2296

Rectangle

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



9.8171, 12.5085, 11.1295



9.8845, 12.5085, 16.9943



14.2335, 12.5085, 16.4560



14.1475, 12.5085, 10.7242

Sweetspot

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



9.8174, 12.5090, 11.1298



21.6110, 24.0994, 24.8095



10.9471, 13.1481, 8.6175



4.9988, 5.6140, 5.7384



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



9.8174, 12.5090, 11.1298



16.0130, 21.3595, 17.9496



10.5252, 12.7921, 14.8569



3.1117, 3.4639, 3.5723



6.9547, 13.0160, 5.0725



35.0229, 66.1563, 23.6654

Inverse Universe

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



10.4361, 8.8868, 11.5216



17.2860, 13.9027, 18.7533



9.8205, 8.6406, 8.2799



3.1665, 3.1435, 3.6071



8.4233, 4.2214, 5.8574



42.4797, 21.3338, 27.5265

Previews

White Background



This preview shows how the XYZ color 9.8171, 12.5085, 11.1295 looks on a white background.

Color Contrast Check

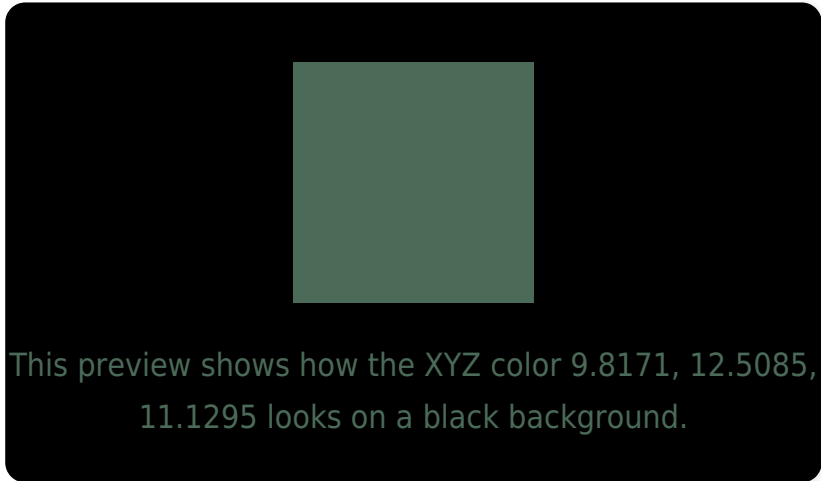
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 9.8171, 12.5085, 11.1295

Background



This preview shows how black text looks on a background with the XYZ color 9.8171, 12.5085, 11.1295.



This preview shows how white text looks on a background with the XYZ color 9.8171, 12.5085,

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

9.8171, 12.5085, 11.1295

Protanopia

11.7710, 12.5068, 10.1812

Deuteranopia

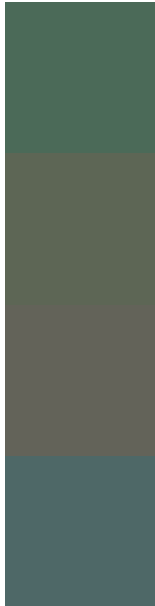
12.6198, 12.3673, 11.3949



Tritanopia

11.0278, 12.5537, 16.8808

Trichromacy



Original Color

9.8171, 12.5085, 11.1295

Protanomaly

10.9053, 12.4858, 10.4296

Deuteranomaly

11.4106, 12.2976, 11.2235

Tritanomaly

10.5404, 12.4996, 14.6891

Monochromacy



Original Color

9.8171, 12.5085, 11.1295

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.4181, 11.7711, 11.8482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8171, 12.5085, 11.1295 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(75, 106, 88)` looks like.

```
.text, #text, p{  
    color:rgb(75, 106, 88)  
}
```

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(75, 106, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 106, 88) }
```

Border

The CSS property to change the border of an element to XYZ 9.8171, 12.5085, 11.1295 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(75, 106, 88) }
```


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

```
.border{ border-color:rgb(75, 106, 88) }
```

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

Here you see how a box with a 4 pixel rgb(75, 106, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 106, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 106, 88);  
box-shadow:4px 4px 4px 4px rgb(75, 106,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 9.8171, 12.5085, 11.1295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 106, 88) }
```

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

```
.background{ background-color: rgb(75, 106,  
88) }
```

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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