

Converting Colors

XYZ(8.1317, 12.2958, 9.8898)

Have a look what the booklet for
XYZ(8.1317, 12.2958, 9.8898)
contains.

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Color

**XYZ(8.1376, 12.2965,
9.9272)**

Conversions

Conversions Part 1

Format	Color
Hex	2C6E52
RGB	44, 110, 82
RGB Percent	17%, 43%, 32%
CMY	0.8274, 0.5686, 0.6784
CMYK	0.60, 0.00, 0.25, 0.57
HSL	155°, 43%, 30%
HSV	155°, 60%, 43%
XYZ	8.1376, 12.2965, 9.9272
YIQ	87.0740, -30.3480, -22.7000

Conversions

Conversions Part 2

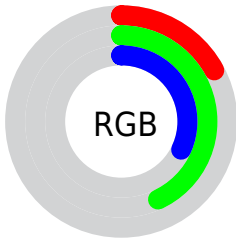
Format	Color
R_{YB}	44, 86, 110
Decimal	2911826
CIE _{Lab}	41.68, -28.26, 9.44
CIE _{LCh}	42, 29.798, 161.534
Yxy	12.2965, 0.2680, 0.4050
Android (android.graphics.Color)	4281101906 (0xFF2C6E52)
YUV	87.0740, -2.5015, -37.7759
Hunter-Lab	35.0664, -19.9429, 7.7616

Details

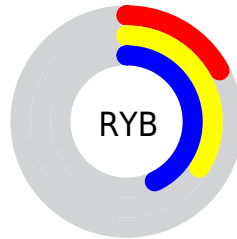
The XYZ color **8.1376, 12.2965, 9.9272** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.5012, 5.5845, 6.7611**, and the grayscale version is **9.0852, 9.5583, 10.4090**.

A 20% lighter version of the original color is **21.8409, 29.9662, 26.1056**, and **2.0566, 3.5788, 2.3327** is the 20% darker color. If you saturate the color by 10%, you get **7.5548, 12.0162, 9.0044**, and if you desaturate by 10%, it is **8.8585, 12.6473, 10.9201**.

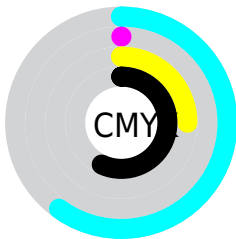
Distribution



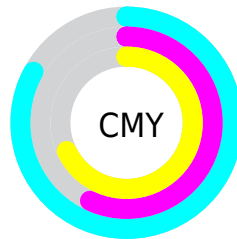
- Red (17%)
- Green (43%)
- Blue (32%)



- Red (17%)
- Yellow (34%)
- Blue (43%)



- Cyan (60%)
- Magenta (0%)
- Yellow (25%)
- Black (57%)



- Cyan (83%)
- Magenta (57%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.1376, 12.2965, 9.9272 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 8.1376, 12.2965, 9.9272 by changing the saturation by 10% instead.

8.1376, 12.2965,
9.9272

8.1376, 12.2965,
9.9272

171.1543,
206.3584, 200.6176

4.2357, 6.9459,
5.2457

21.9106, 30.0340,
26.2642

1.8363, 3.4283,
2.3309

32.5124, 43.1897,
38.7567

0.5394, 1.3592,
0.7485

46.0781, 59.7159,
54.6901

0.0000, 0.1864,
0.0000

62.9733, 79.9970,
74.4828

0.0000, 0.0000,
0.0000

83.5631, 104.4175,
98.5533

108.2130,

133.3616, 127.3203

137.2883,
167.2138, 161.2022

■ 8.1376, 12.2965,
9.9272

■ 8.1376, 12.2965,
9.9272

■ 7.5548, 12.0162,
9.0044

■ 8.8585, 12.6473,
10.9201

■ 7.0986, 11.7995,
8.1490

■ 9.7258, 13.0717,
11.9839

■ 6.7576, 11.6408,
7.3596

■ 10.7483, 13.5747,
13.1204

■ 6.4827, 11.5149,
6.6326

■ 11.9336, 14.1602,
14.3311

■ 6.4827, 11.5149,
6.6325

■ 13.2891, 14.8319,
15.6176

■ 14.8214, 15.5933,
16.9811

■ 16.5372, 16.4476,
18.4231

■ 18.4423, 17.3980,
19.9449

■ 20.5426, 18.4475,
21.5477

Harmonies

Analogous

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



9.1167, 12.2965, 6.2496



8.1376, 12.2965, 9.9272



8.0347, 12.2965, 15.9421

Triad

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



8.1376, 12.2965, 9.9272



12.5479, 12.2965, 28.9808



15.1237, 12.2965, 6.8894

Complementary

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



8.1376, 12.2965, 9.9272



8.5012, 5.5845, 6.7611

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.



16.3072, 12.2965, 11.1238



8.1376, 12.2965, 9.9272



14.7010, 12.2965, 24.5691

Square

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



8.1376, 12.2965, 9.9272



10.4063, 12.2965, 28.3551



16.1435, 12.2965, 17.5739



13.0696, 12.2965, 4.9106

Rectangle

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



8.1376, 12.2965, 9.9272



8.4592, 12.2965, 20.7207



16.1435, 12.2965, 17.5739



15.6474, 12.2965, 8.0295

Sweetspot

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



8.1379, 12.2970, 9.9275



21.2992, 25.0366, 25.5021



8.7483, 12.7351, 4.3800



4.8390, 5.7680, 5.8193



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.



8.1379, 12.2970, 9.9275



12.9277, 20.9400, 15.2100



8.9664, 11.8875, 16.5743



3.4180, 3.7924, 4.0075



7.7727, 13.8266, 7.8899



38.2813, 68.7012, 36.9963

Inverse Universe

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



8.5012, 5.5845, 6.7611



13.6361, 7.9722, 9.1265



7.9587, 5.6439, 3.0529



3.4378, 3.4228, 3.8320



8.3191, 4.2200, 3.4904



41.0280, 20.8565, 15.2115

Previews

White Background



This preview shows how the XYZ color 8.1376, 12.2965, 9.9272 looks on a white background.

Color Contrast Check

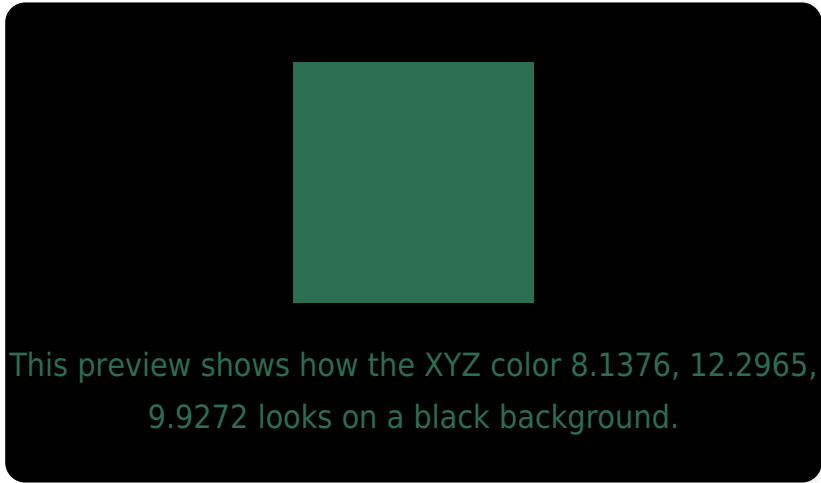
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.1376, 12.2965, 9.9272

Background



This preview shows how black text looks on a background with the XYZ color 8.1376, 12.2965, 9.9272.



This preview shows how white text looks on a background with the XYZ color 8.1376, 12.2965, 9.9272.

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

8.1376, 12.2965, 9.9272

Protanopia

11.3811, 12.2002, 8.5925

Deuteranopia

12.3245, 12.1060, 10.2815



Tritanopia

9.7668, 12.3352, 17.7858

Trichromacy



Original Color

8.1376, 12.2965, 9.9272

Protanomaly

9.6062, 11.8466, 8.9881

Deuteranomaly

10.0879, 11.7807, 10.1297

Tritanomaly

9.0212, 12.1785, 14.4456

Monochromacy



Original Color

8.1376, 12.2965, 9.9272

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

8.3304, 10.1799, 10.1202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.1376, 12.2965, 9.9272 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(44, 110, 82)` looks like.

```
.text, #text, p{  
    color:rgb(44, 110, 82)  
}
```

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(44, 110, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 110, 82) }
```

Border

The CSS property to change the border of an element to XYZ 8.1376, 12.2965, 9.9272 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(44, 110, 82) }
```


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

```
.border{ border-color:rgb(44, 110, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 110, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 110, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 110, 82);  
box-shadow:4px 4px 4px 4px rgb(44, 110,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 8.1376, 12.2965, 9.9272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 110, 82) }
```

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

```
.background{ background-color: rgb(44, 110,  
82) }
```

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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