

Converting Colors

XYZ(8.6895, 12.1437, 8.9850)

Have a look what the booklet for
XYZ(8.6895, 12.1437, 8.9850)
contains.

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Color

**XYZ(8.6471, 12.1080,
8.9025)**

Conversions

Conversions Part 1

Format	Color
Hex	3F6B4D
RGB	63, 107, 77
RGB Percent	25%, 42%, 30%
CMY	0.7529, 0.5804, 0.6980
CMYK	0.41, 0.00, 0.28, 0.58
HSL	139°, 26%, 33%
HSV	139°, 41%, 42%
XYZ	8.6471, 12.1080, 8.9025
YIQ	90.4240, -16.5940, -18.6580

Conversions

Conversions Part 2

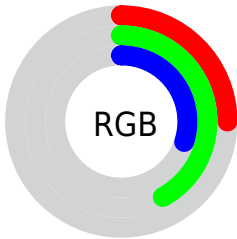
Format	Color
R_{YB}	63, 96, 107
Decimal	4156237
CIE _{Lab}	41.39, -22.48, 12.14
CIE _{LCh}	41, 25.548, 151.634
Yxy	12.1080, 0.2916, 0.4083
Android (android.graphics.Color)	4282346317 (0xFF3F6B4D)
YUV	90.4240, -6.6180, -24.0508
Hunter-Lab	34.7966, -16.5359, 9.1886

Details

The XYZ color **8.6471, 12.1080, 8.9025** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.8170, 7.4713, 11.2809**, and the grayscale version is **9.8309, 10.3429, 11.2634**.

A 20% lighter version of the original color is **22.9741, 29.8133, 24.2824**, and **2.0196, 3.3311, 1.9754** is the 20% darker color. If you saturate the color by 10%, you get **7.7858, 11.6924, 7.5922**, and if you desaturate by 10%, it is **9.6708, 12.6046, 10.3718**.

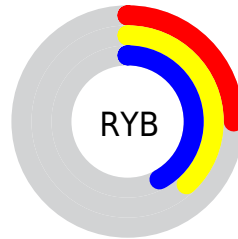
Distribution



Red (25%)

Green (42%)

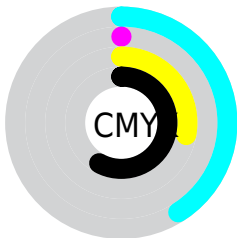
Blue (30%)



Red (25%)

Yellow (38%)

Blue (42%)

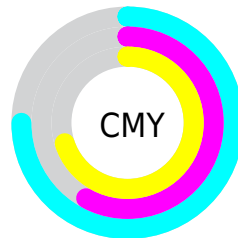


Cyan (41%)

Magenta (0%)

Yellow (28%)

Black (58%)



Cyan (75%)

Magenta (58%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.6471, 12.1080, 8.9025 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 8.6471, 12.1080, 8.9025 by changing the saturation by 10% instead.

■ 8.6471, 12.1080,
8.9025

■ 8.6471, 12.1080,
8.9025

174.9864,
205.1190, 192.8401

■ 4.5670, 6.8173,
4.5817

■ 22.8911, 29.6917,
24.2844

■ 2.0276, 3.3481,
1.9496

■ 33.7856, 42.7534,
36.1825

■ 0.6494, 1.3160,
0.5240

■ 47.6824, 59.1742,
51.4435

■ 0.0000, 0.1536,
0.0000

■ 64.9467, 79.3386,
70.4858

■ 0.0000, 0.0000,
0.0000

■ 85.9439, 103.6308,
93.7281

■ 111.0393,

132.4354, 121.5889

140.5984,
166.1366, 154.4867

■ 8.6471, 12.1080,
8.9025

■ 8.6471, 12.1080,
8.9025

■ 7.7858, 11.6924,
7.5922

■ 9.6708, 12.6046,
10.3718

■ 7.0773, 11.3521,
6.4348

■ 10.8640, 13.1848,
12.0043

■ 6.5123, 11.0826,
5.4248


■ 12.2345, 13.8529,
13.8053

■ 6.0803, 10.8786,
4.5561


■ 13.7892, 14.6123,
15.7793


■ 5.7688, 10.7340,
3.8223


■ 15.5348, 15.4664,
17.9309

 5.5474, 10.6317,
3.2767

 17.4777, 16.4183,
20.2645

 19.6237, 17.4711,
22.7841

 21.9787, 18.6276,
25.4937

 24.5482, 19.8906,
28.3974

Harmonies

Analogous

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



9.7375, 12.1080, 6.2600



8.6471, 12.1080, 8.9025



8.2992, 12.1080, 13.4769

Triad

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



8.6471, 12.1080, 8.9025



11.6103, 12.1080, 26.2533



14.8191, 12.1080, 8.5199

Complementary

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



8.6471, 12.1080, 8.9025



9.8170, 7.4713, 11.2809

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.



15.4534, 12.1080, 12.8945



8.6471, 12.1080, 8.9025



13.4817, 12.1080, 23.9302

Square

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



8.6471, 12.1080, 8.9025



9.8959, 12.1080, 24.3661



14.9398, 12.1080, 18.6550



13.2869, 12.1080, 6.0845

Rectangle

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



8.6471, 12.1080, 8.9025



8.5017, 12.1080, 17.3184



14.9398, 12.1080, 18.6550



15.1514, 12.1080, 9.7655

Sweetspot

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



8.6474, 12.1085, 8.9028



21.5908, 24.6503, 24.3106



10.6763, 13.2055, 6.6888



5.1703, 5.9394, 5.8121



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.



8.6474, 12.1085, 8.9028



14.0454, 20.9863, 13.7583



9.5569, 12.4723, 13.6919



3.1000, 3.4592, 3.5105



6.7353, 12.9282, 3.9175



33.9633, 65.7324, 18.0853

Inverse Universe

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



9.8170, 7.4713, 11.2809



16.4372, 11.4882, 18.6102



8.9807, 7.1367, 6.8767



3.1786, 3.1483, 3.6708



8.8236, 4.3816, 7.9654



44.5528, 22.1631, 38.4435

Previews

White Background



This preview shows how the XYZ color 8.6471, 12.1080, 8.9025 looks on a white background.

Color Contrast Check

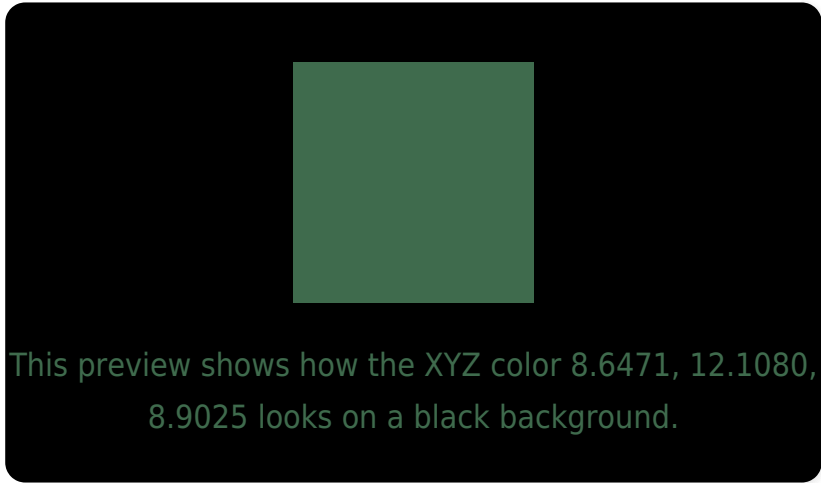
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.6471, 12.1080, 8.9025

Background



This preview shows how black text looks on a background with the XYZ color 8.6471, 12.1080, 8.9025.



This preview shows how white text looks on a background with the XYZ color 8.6471, 12.1080,

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

8.6471, 12.1080, 8.9025

Protanopia

11.1862, 11.9735, 8.0249

Deuteranopia

12.1724, 11.9186, 9.2484



Tritanopia

10.3180, 12.1878, 16.8476

Trichromacy



Original Color

8.6471, 12.1080, 8.9025

Protanomaly

10.0095, 11.9256, 8.2529

Deuteranomaly

10.4983, 11.7328, 9.1085

Tritanomaly

9.5863, 12.0304, 13.6212

Monochromacy



Original Color

8.6471, 12.1080, 8.9025

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.1308, 10.7271, 10.1836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.6471, 12.1080, 8.9025 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(63, 107, 77)` looks like.

```
.text, #text, p{  
    color:rgb(63, 107, 77)  
}
```

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(63, 107, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 107, 77) }
```

Border

The CSS property to change the border of an element to XYZ 8.6471, 12.1080, 8.9025 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(63, 107, 77) }
```


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

```
.border{ border-color:rgb(63, 107, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 107, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 107, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 107, 77);  
box-shadow:4px 4px 4px 4px rgb(63, 107,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 8.6471, 12.1080, 8.9025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 107, 77) }
```

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

```
.background{ background-color: rgb(63, 107,  
77) }
```

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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