

Converting Colors

XYZ(8.4181, 11.9793, 7.4847)

Have a look what the booklet for
XYZ(8.4181, 11.9793, 7.4847)
contains.

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Color

**XYZ(8.4462, 12.0350,
7.5081)**

Conversions

Conversions Part 1

Format	Color
Hex	406B45
RGB	64, 107, 69
RGB Percent	25%, 42%, 27%
CMY	0.7490, 0.5804, 0.7294
CMYK	0.40, 0.00, 0.36, 0.58
HSL	127°, 25%, 34%
HSV	127°, 40%, 42%
XYZ	8.4462, 12.0350, 7.5081
YIQ	89.8110, -13.4300, -20.9340

Conversions

Conversions Part 2

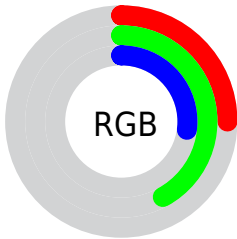
Format	Color
RYB	64, 103, 107
Decimal	4221765
CIELab	41.27, -23.74, 16.73
CIELCh	41, 29.041, 144.824
Yxy	12.0350, 0.3018, 0.4300
Android (android.graphics.Color)	4282411845 (0xFF406B45)
YUV	89.8110, -10.2598, -22.6362
Hunter-Lab	34.6915, -17.2514, 11.4522

Details

The XYZ color **8.4462, 12.0350, 7.5081** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.2954, 7.7521, 13.5243**, and the grayscale version is **9.7005, 10.2057, 11.1140**.

A 20% lighter version of the original color is **22.6076, 29.6817, 21.6771**, and **1.9364, 3.2997, 1.4545** is the 20% darker color. If you saturate the color by 10%, you get **7.5456, 11.6023, 6.0540**, and if you desaturate by 10%, it is **9.5278, 12.5563, 9.2154**.

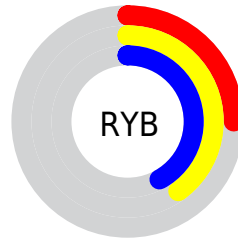
Distribution



Red (25%)

Green (42%)

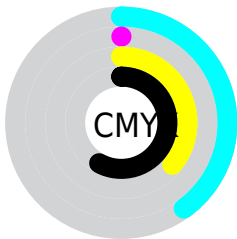
Blue (27%)



Red (25%)

Yellow (40%)

Blue (42%)

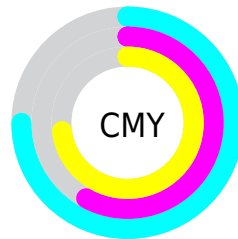


Cyan (40%)

Magenta (0%)

Yellow (36%)

Black (58%)



Cyan (75%)

Magenta (58%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.4462, 12.0350, 7.5081 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 8.4462, 12.0350, 7.5081 by changing the saturation by 10% instead.

8.4462, 12.0350,
7.5081

8.4462, 12.0350,
7.5081

173.4871,
204.6369, 181.6093

4.4360, 6.7675,
3.6986

22.5058, 29.5588,
21.5183

1.9516, 3.3171,
1.4615

33.2858, 42.5840,
32.5562

0.6066, 1.2995,
0.1890

47.0532, 58.9638,
46.8406

0.0000, 0.1408,
0.0000

64.1732, 79.0827,
64.7900

0.0000, 0.0000,
0.0000

85.0113, 103.3250,
86.8231

109.9327,

132.0753, 113.3583

139.3029,
165.7177, 144.8142

■ 8.4462, 12.0350,
7.5081

■ 8.4462, 12.0350,
7.5081

■ 7.5456, 11.6023,
6.0540

■ 9.5278, 12.5563,
9.2154

■ 6.8151, 11.2519,
4.8404

■ 10.7986, 13.1691,
11.1864

■ 6.2443, 10.9788,
3.8545

■ 12.2673, 13.8781,
13.4318

■ 5.8211, 10.7773,
3.0821

■ 13.9421, 14.6872,
15.9617

■ 5.5315, 10.6405,
2.5074

■ 15.8303, 15.6000,
18.7854

■ 5.3270, 10.5435,
2.1166

■ 17.9392, 16.6202,
21.9120

■ 20.2757, 17.7510,
25.3502

■ 22.8462, 18.9956,
29.1083

■ 25.6570, 20.3571,
33.1941

Harmonies

Analogous

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



9.8264, 12.0350, 5.1623



8.4462, 12.0350, 7.5081



7.8709, 12.0350, 12.0883

Triad

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



8.4462, 12.0350, 7.5081



11.0785, 12.0350, 28.3209



15.5081, 12.0350, 8.8248

Complementary

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



8.4462, 12.0350, 7.5081



10.2954, 7.7521, 13.5243

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.



15.9490, 12.0350, 14.1752



8.4462, 12.0350, 7.5081



13.2189, 12.0350, 26.6481

Square

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



8.4462, 12.0350, 7.5081



9.2672, 12.0350, 25.0085



15.0662, 12.0350, 20.9572



13.9258, 12.0350, 5.7434

Rectangle

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



8.4462, 12.0350, 7.5081



7.9632, 12.0350, 16.2903



15.0662, 12.0350, 20.9572



15.8023, 12.0350, 10.3630

Sweetspot

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



8.4465, 12.0355, 7.5084



21.3691, 24.5616, 23.1433



11.7427, 13.7519, 6.8860



5.1133, 5.9165, 5.5119



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.



8.4465, 12.0355, 7.5084



13.6332, 20.8335, 11.0401



9.2093, 12.3406, 11.5252



3.0770, 3.4500, 3.3893



6.4732, 12.8233, 2.5368



32.8072, 65.2700, 11.9976

Inverse Universe

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



10.2954, 7.7521, 13.5243



17.4291, 12.0306, 23.3846



9.3898, 7.3899, 8.7557



3.2032, 3.1581, 3.8001



9.8579, 4.7953, 13.4119



50.0238, 24.3515, 67.2535

Previews

White Background



This preview shows how the XYZ color 8.4462, 12.0350, 7.5081 looks on a white background.

Color Contrast Check

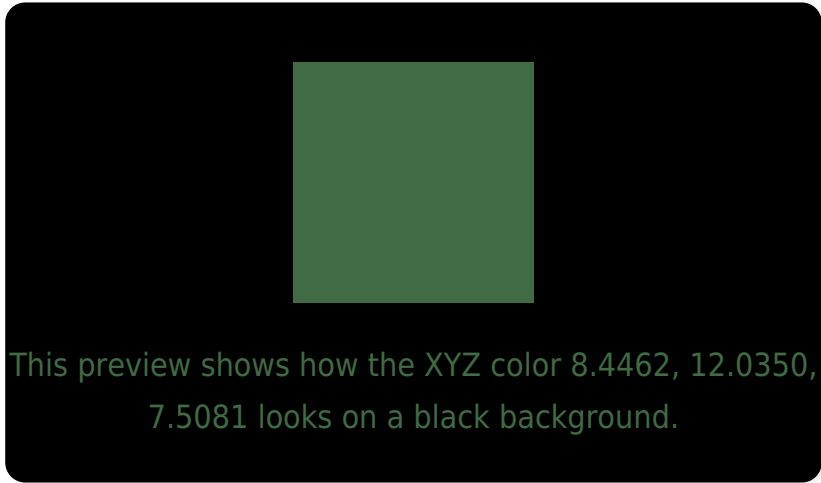
Large Text (above 18pt) WCAG AA ✓ Pass

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

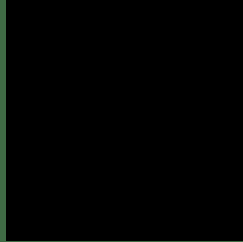
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.4462, 12.0350, 7.5081

Background



This preview shows how black text looks on a background with the XYZ color 8.4462, 12.0350, 7.5081.



This preview shows how white text looks on a background with the XYZ color 8.4462, 12.0350,

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

8.4462, 12.0350, 7.5081

Protanopia

11.0545, 11.9343, 6.7219

Deuteranopia

12.0235, 11.8740, 7.7891



Tritanopia

10.2383, 12.0062, 16.5297

Trichromacy



Original Color

8.4462, 12.0350, 7.5081

Protanomaly

9.8535, 11.8744, 6.9269

Deuteranomaly

10.3289, 11.6771, 7.6707

Tritanomaly

9.4701, 11.9921, 12.6420

Monochromacy



Original Color

8.4462, 12.0350, 7.5081

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.0992, 10.7243, 9.5731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.4462, 12.0350, 7.5081 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(64, 107, 69)` looks like.

```
.text, #text, p{  
    color:rgb(64, 107, 69)  
}
```

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(64, 107, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 107, 69) }
```

Border

The CSS property to change the border of an element to XYZ 8.4462, 12.0350, 7.5081 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(64, 107, 69) }
```


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

```
.border{ border-color:rgb(64, 107, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 107, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 107, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 107, 69);  
box-shadow:4px 4px 4px 4px rgb(64, 107,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 8.4462, 12.0350, 7.5081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 107, 69) }
```

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

```
.background{ background-color: rgb(64, 107,  
69) }
```

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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