

Converting Colors

XYZ(8.0809, 12.9960, 12.4534)

Have a look what the booklet for
XYZ(8.0809, 12.9960, 12.4534)
contains.

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Color

**XYZ(8.1065, 13.0518,
12.4479)**

Conversions

Conversions Part 1

Format	Color
Hex	00735D
RGB	0, 115, 93
RGB Percent	0%, 45%, 36%
CMY	1.0000, 0.5490, 0.6353
CMYK	1.00, 0.00, 0.19, 0.55
HSL	169°, 100%, 23%
HSV	169°, 100%, 45%
XYZ	8.1065, 13.0518, 12.4479
YIQ	78.1070, -61.4780, -31.2220

Conversions

Conversions Part 2

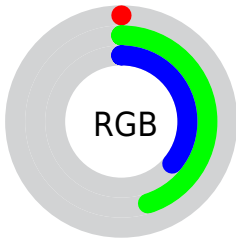
Format	Color
RYB	0, 64, 115
Decimal	29533
CIELab	42.84, -33.54, 4.38
CIELCh	43, 33.820, 172.555
Yxy	13.0518, 0.2412, 0.3884
Android (android.graphics.Color)	4278219613 (0xFF00735D)
YUV	78.1070, 7.3422, -68.4998
Hunter-Lab	36.1273, -23.1696, 4.8603

Details

The XYZ color **8.1065, 13.0518, 12.4479** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.2154, 3.7031, 1.0939**, and the grayscale version is **7.2571, 7.6350, 8.3146**.

A 20% lighter version of the original color is **21.8622, 31.4843, 30.9114**, and **2.4613, 4.1017, 3.3513** is the 20% darker color. If you saturate the color by 10%, you get **8.1067, 13.0522, 12.4479**, and if you desaturate by 10%, it is **8.3505, 13.1665, 12.9757**.

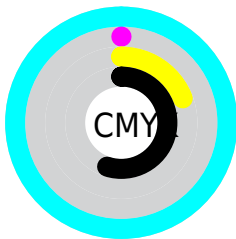
Distribution



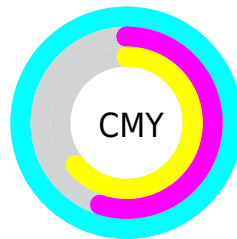
- Red (0%)
- Green (45%)
- Blue (36%)



- Red (0%)
- Yellow (25%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (55%)



- Cyan (100%)
- Magenta (55%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.1065, 13.0518, 12.4479 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 8.1065, 13.0518, 12.4479 by changing the saturation by 10% instead.

8.1065, 13.0518,
12.4479

8.1065, 13.0518,
12.4479

170.9172,
211.2494, 218.4305

4.2156, 7.4642,
6.9233

21.8504, 31.3968,
30.9848

1.8248, 3.7541,
3.3364

32.4340, 44.9230,
44.8341

0.5325, 1.5370,
1.2689

45.9793, 61.8643,
62.2954

0.0000, 0.3145,
0.0361


62.8515, 82.6049,
83.7872


0.0000, 0.0000,
0.0000


83.4161, 107.5294,
109.7281


108.0383,


137.0220, 140.5366


 137.0835,
171.4672, 176.6312


 8.1065, 13.0518,
12.4479


 8.1065, 13.0518,
12.4479


 8.1067, 13.0522,
12.4479

 8.3505, 13.1665,
12.9757

 8.6609, 13.3147,
13.5212

 9.0885, 13.5231,
14.0869

 9.6464, 13.7983,
14.6738

 10.3461, 14.1463,
15.2825

■ 11.1978, 14.5722,
15.9134

■ 12.2105, 15.0809,
16.5673

■ 13.3927, 15.6766,
17.2445

■ 14.7524, 16.3634,
17.9456

Harmonies

Analogous

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



8.8677, 13.0518, 7.2030



8.1065, 13.0518, 12.4479



8.3635, 13.0518, 20.3894

Triad

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



8.1065, 13.0518, 12.4479



14.4079, 13.0518, 31.7925



15.6739, 13.0518, 5.6503

Complementary

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



8.1065, 13.0518, 12.4479



7.2154, 3.7031, 1.0939

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.



17.5760, 13.0518, 9.4271



8.1065, 13.0518, 12.4479



16.7772, 13.0518, 24.7224

Square

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



8.1065, 13.0518, 12.4479



11.7733, 13.0518, 33.4758



18.0055, 13.0518, 16.1336



13.0596, 13.0518, 4.2635

Rectangle

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



8.1065, 13.0518, 12.4479



9.0970, 13.0518, 26.1530



18.0055, 13.0518, 16.1336



16.4318, 13.0518, 6.6035

Sweetspot

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



8.1069, 13.0523, 12.4482



21.7096, 26.9264, 29.5714



6.4845, 12.4442, 2.0604



5.0285, 6.3479, 6.9604



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



8.1069, 13.0523, 12.4482



14.4705, 23.3535, 22.0490



6.0003, 7.0492, 17.2647



3.7547, 4.1438, 4.5423



9.2600, 14.9180, 14.1914



44.8258, 72.5776, 67.5787

Inverse Universe

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



7.2154, 3.7031, 1.0939



12.8798, 6.6144, 1.7463



7.6571, 4.8181, 0.5266



3.7100, 3.7113, 3.9994



8.2417, 4.2304, 1.2149



39.9181, 20.5174, 4.6322

Previews

White Background



This preview shows how the XYZ color 8.1065, 13.0518, 12.4479 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 8.1065, 13.0518, 12.4479 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 8.1065, 13.0518, 12.4479

Background



This preview shows how black text looks on a background with the XYZ color 8.1065, 13.0518, 12.4479.



This preview shows how white text looks on a background with the XYZ color 8.1065, 13.0518,

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

8.1065, 13.0518, 12.4479

Protanopia

12.2773, 13.0434, 10.6746

Deuteranopia

13.2074, 13.0432, 13.1307



Tritanopia

9.7343, 13.0650, 19.7781

Trichromacy



Original Color

8.1065, 13.0518, 12.4479

Protanomaly

9.2719, 12.2226, 11.3217

Deuteranomaly

9.6602, 12.0848, 12.8898

Tritanomaly

8.9395, 12.8847, 16.7677

Monochromacy



Original Color

8.1065, 13.0518, 12.4479

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

6.6178, 8.7848, 9.5305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.1065, 13.0518, 12.4479 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(0, 115, 93)` looks like.

```
.text, #text, p{  
    color:rgb(0, 115, 93)  
}
```

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(0, 115, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 115, 93) }
```

Border

The CSS property to change the border of an element to XYZ 8.1065, 13.0518, 12.4479 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(0, 115, 93) }
```


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

```
.border{ border-color:rgb(0, 115, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 115, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 115, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 115, 93);  
box-shadow:4px 4px 4px 4px rgb(0, 115, 93)  
}
```

Background

The CSS property to change the background color of an element to XYZ 8.1065, 13.0518, 12.4479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 115, 93) }
```

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

```
.background{ background-color: rgb(0, 115,  
93) }
```

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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