

Converting Colors

XYZ(7.7794, 13.0055, 5.0073)

Have a look what the booklet for
XYZ(7.7794, 13.0055, 5.0073)
contains.

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Color

**XYZ(7.8118, 13.0641,
5.0156)**

Conversions

Conversions Part 1

Format	Color
Hex	2E7331
RGB	46, 115, 49
RGB Percent	18%, 45%, 19%
CMY	0.8196, 0.5490, 0.8078
CMYK	0.60, 0.00, 0.57, 0.55
HSL	123°, 43%, 32%
HSV	123°, 60%, 45%
XYZ	7.8118, 13.0641, 5.0156
YIQ	86.8450, -19.9380, -35.1540

Conversions

Conversions Part 2

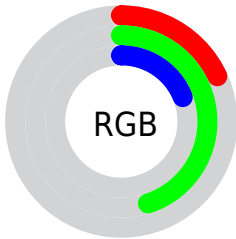
Format	Color
RYB	46, 112, 115
Decimal	3044145
CIELab	42.86, -36.31, 29.79
CIELCh	43, 46.969, 140.639
Yxy	13.0641, 0.3017, 0.5046
Android (android.graphics.Color)	4281234225 (0xFF2E7331)
YUV	86.8450, -18.6576, -35.8211
Hunter-Lab	36.1443, -24.6736, 17.0736

Details

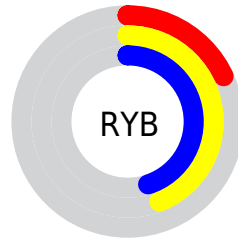
The XYZ color **7.8118, 13.0641, 5.0156** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **10.9722, 6.7688, 16.0575**, and the grayscale version is **9.0679, 9.5401, 10.3892**.

A 20% lighter version of the original color is **21.3059, 31.5210, 16.2705**, and **1.9537, 3.8986, 0.6783** is the 20% darker color. If you saturate the color by 10%, you get **7.1572, 12.7506, 3.9178**, and if you desaturate by 10%, it is **8.6626, 13.4729, 6.4191**.

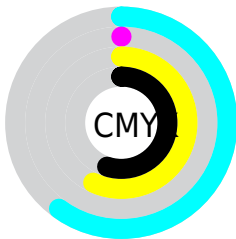
Distribution



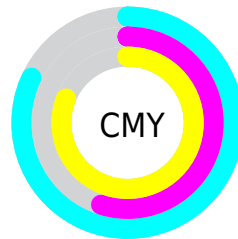
- Red (18%)
- Green (45%)
- Blue (19%)



- Red (18%)
- Yellow (44%)
- Blue (45%)



- Cyan (60%)
- Magenta (0%)
- Yellow (57%)
- Black (55%)



- Cyan (82%)
- Magenta (55%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.8118, 13.0641, 5.0156 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 7.8118, 13.0641, 5.0156 by changing the saturation by 10% instead.

■ 7.8118, 13.0641,
5.0156

■ 7.8118, 13.0641,
5.0156

168.6503,
211.3281, 158.9213

■ 4.0255, 7.4727,
2.1975

■ 21.2776, 31.4189,
16.2915

■ 1.7166, 3.7594,
0.6729

■ 31.6879, 44.9511,
25.5864

■ 0.4666, 1.5399,
0.0000

■ 45.0369, 61.8990,
37.8774

■ 0.0000, 0.3166,
0.0000

■ 61.6900, 82.6470,
53.5829

■ 0.0000, 0.0000,
0.0000

■ 82.0126, 107.5795,
73.1215

■ 106.3699,

137.0809, 96.9117

135.1273,
171.5357, 125.3721

■ 7.8118, 13.0641,
5.0156

■ 7.8118, 13.0641,
5.0156

■ 7.1572, 12.7506,
3.9178

■ 8.6626, 13.4729,
6.4191

■ 6.6822, 12.5233,
3.1021

■ 9.7226, 13.9822,
8.1479

■ 6.3693, 12.3741,
2.5430

■ 11.0047, 14.5986,
10.2207

■ 6.1584, 12.2730,
2.1880

■ 12.5205, 15.3277,
12.6548

■ 14.2809, 16.1748,
15.4663

■ 16.2959, 17.1448,
18.6703

■ 18.5752, 18.2422,
22.2810

■ 21.1279, 19.4716,
26.3120

■ 23.9625, 20.8370,
30.7762

Harmonies

Analogous

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



10.1414, 13.0641, 2.5912



7.8118, 13.0641, 5.0156



6.7798, 13.0641, 11.2478

Triad

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



7.8118, 13.0641, 5.0156



11.3287, 13.0641, 43.9663



20.0535, 13.0641, 8.3368

Complementary

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



7.8118, 13.0641, 5.0156



10.9722, 6.7688, 16.0575

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.



20.5402, 13.0641, 17.6850



7.8118, 13.0641, 5.0156



15.0099, 13.0641, 41.8690

Square

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



7.8118, 13.0641, 5.0156



8.5368, 13.0641, 35.6114



18.5487, 13.0641, 30.7870



17.3244, 13.0641, 3.7667

Rectangle

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



7.8118, 13.0641, 5.0156



6.7976, 13.0641, 18.1914



18.5487, 13.0641, 30.7870



20.5029, 13.0641, 10.8809

Sweetspot

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



7.8121, 13.0646, 5.0159



22.8724, 27.6639, 23.3849



13.3960, 15.9503, 4.9574



5.2889, 6.5190, 5.3105



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.



7.8121, 13.0646, 5.0159



12.4482, 22.6554, 6.3892



8.8114, 13.4643, 10.2779



3.6465, 4.1006, 3.9723



7.0379, 14.0292, 2.4899



34.2142, 68.3330, 11.6991

Inverse Universe

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



10.9722, 6.7688, 16.0575



18.6609, 10.2588, 28.0835



9.4299, 6.1519, 7.9360



3.8201, 3.7553, 4.5794



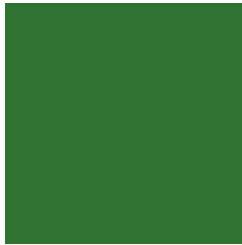
11.2981, 5.4529, 17.3096



54.9725, 26.5391, 83.9073

Previews

White Background



This preview shows how the XYZ color 7.8118, 13.0641, 5.0156 looks on a white background.

Color Contrast Check

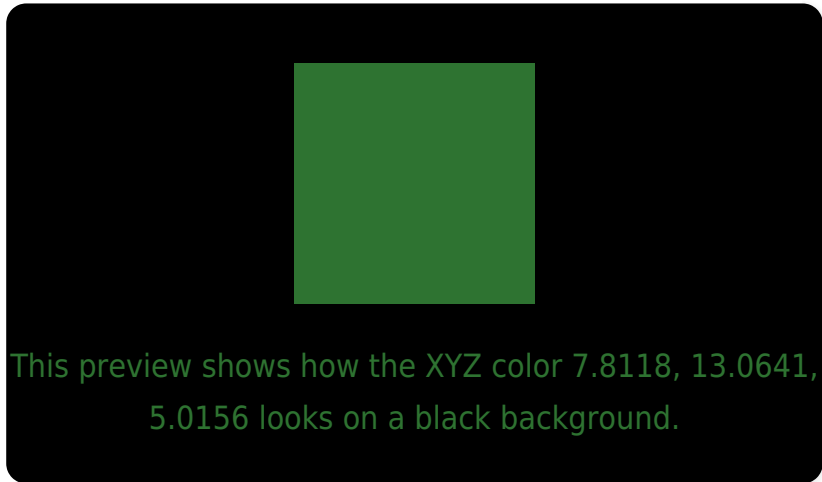
Large Text (above 18pt) WCAG AA ✓ Pass

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 7.8118, 13.0641, 5.0156

Background



This preview shows how black text looks on a background with the XYZ color 7.8118, 13.0641, 5.0156.



This preview shows how white text looks on a background with the XYZ color 7.8118, 13.0641,

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

7.8118, 13.0641, 5.0156

Protanopia

11.8094, 12.9416, 4.3582

Deuteranopia

13.0171, 12.8430, 5.2829



Tritanopia

10.6233, 13.0662, 18.7917

Trichromacy



Original Color

7.8118, 13.0641, 5.0156

Protanomaly

9.6717, 12.5800, 4.5032

Deuteranomaly

10.1894, 12.3813, 5.1016

Tritanomaly

9.3035, 13.0114, 12.1463

Monochromacy



Original Color

7.8118, 13.0641, 5.0156

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

8.1498, 10.4081, 7.8828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.8118, 13.0641, 5.0156 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(46, 115, 49)` looks like.

```
.text, #text, p{  
    color:rgb(46, 115, 49)  
}
```

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(46, 115, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 115, 49) }
```

Border

The CSS property to change the border of an element to XYZ 7.8118, 13.0641, 5.0156 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(46, 115, 49) }
```


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

```
.border{ border-color:rgb(46, 115, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 115, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 115, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 115, 49);  
box-shadow:4px 4px 4px 4px rgb(46, 115,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 7.8118, 13.0641, 5.0156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 115, 49) }
```

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

```
.background{ background-color: rgb(46, 115,  
49) }
```

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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