

Converting Colors

XYZ(7.7860, 13.9580, 3.8798)

Have a look what the booklet for
XYZ(7.7860, 13.9580, 3.8798)
contains.

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Color

**XYZ(7.7828, 13.9476,
3.8721)**

Conversions

Conversions Part 1

Format	Color
Hex	257823
RGB	37, 120, 35
RGB Percent	15%, 47%, 14%
CMY	0.8549, 0.5294, 0.8627
CMYK	0.69, 0.00, 0.71, 0.53
HSL	119°, 55%, 30%
HSV	119°, 71%, 47%
XYZ	7.7828, 13.9476, 3.8721
YIQ	85.4930, -22.1830, -44.0310

Conversions

Conversions Part 2

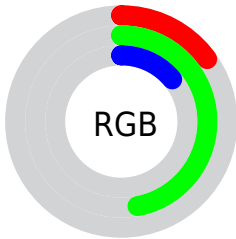
Format	Color
R_{YB}	35, 120, 118
Decimal	2455587
CIE _{Lab}	44.16, -42.18, 37.95
CIE _{LCh}	44, 56.739, 138.021
Yxy	13.9476, 0.3040, 0.5448
Android (android.graphics.Color)	4280645667 (0xFF257823)
YUV	85.4930, -24.8930, -42.5284
Hunter-Lab	37.3465, -28.1579, 19.9953

Details

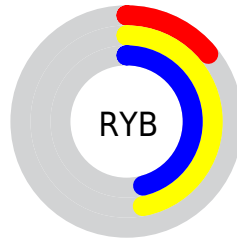
The XYZ color **7.7828, 13.9476, 3.8721** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **11.4633, 6.4103, 18.4031**, and the grayscale version is **8.7927, 9.2506, 10.0739**.

A 20% lighter version of the original color is **21.1599, 32.9069, 13.6239**, and **2.1902, 4.3803, 0.7301** is the 20% darker color. If you saturate the color by 10%, you get **7.2793, 13.7056, 3.0726**, and if you desaturate by 10%, it is **8.4830, 14.2848, 4.9998**.

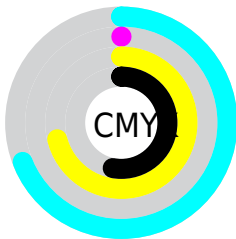
Distribution



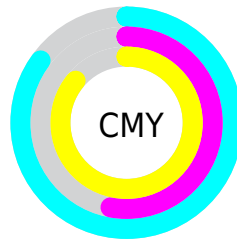
- Red (15%)
- Green (47%)
- Blue (14%)



- Red (14%)
- Yellow (47%)
- Blue (46%)



- Cyan (69%)
- Magenta (0%)
- Yellow (71%)
- Black (53%)



- Cyan (85%)
- Magenta (53%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.7828, 13.9476, 3.8721 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 7.7828, 13.9476, 3.8721 by changing the saturation by 10% instead.

■ 7.7828, 13.9476,
3.8721

■ 7.7828, 13.9476,
3.8721

168.4253,
216.9046, 146.7930

■ 4.0069, 8.0842,
1.5554

■ 21.2211, 32.9960,
13.7137

■ 1.7060, 4.1489,
0.2587

■ 31.6141, 46.9499,
22.0757

■ 0.4601, 1.7572,
0.0000

■ 44.9436, 64.3693,
33.2899

■ 0.0000, 0.4603,
0.0000

■ 61.5750, 85.6388,
47.7749

■ 0.0000, 0.0000,
0.0000

■ 81.8734, 111.1426,
65.9491

■ 106.2044,

141.2653, 88.2312

134.9332,
176.3912, 115.0396

7.7828, 13.9476,
3.8721

7.7828, 13.9476,
3.8721

7.2793, 13.7056,
3.0726

8.4830, 14.2848,
4.9998

6.9516, 13.5476,
2.5652

9.3962, 14.7236,
6.4849

6.7520, 13.4517,
2.2406

10.5383, 15.2722,
8.3543

11.9231, 15.9371,
10.6322

13.5635, 16.7245,
13.3408

■ 15.4716, 17.6402,
16.5006

■ 17.6584, 18.6895,
20.1310

■ 20.1347, 19.8774,
24.2500

■ 22.9103, 21.2088,
28.8749

Harmonies

Analogous

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



10.7427, 13.9476, 1.6774



7.7828, 13.9476, 3.8721



6.4361, 13.9476, 10.5787

Triad

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



7.7828, 13.9476, 3.8721



11.5313, 13.9476, 54.9404



23.3737, 13.9476, 8.7076

Complementary

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



7.7828, 13.9476, 3.8721



11.4633, 6.4103, 18.4031

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.



23.7218, 13.9476, 20.9691



7.7828, 13.9476, 3.8721



16.1353, 13.9476, 53.3538

Square

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



7.7828, 13.9476, 3.8721



8.2464, 13.9476, 42.2697



20.8354, 13.9476, 38.6999



19.9709, 13.9476, 3.1722

Rectangle

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



7.7828, 13.9476, 3.8721



6.3718, 13.9476, 18.9363



20.8354, 13.9476, 38.6999



23.8760, 13.9476, 11.9677

Sweetspot

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



7.7831, 13.9482, 3.8724



23.6430, 29.3126, 23.1128



14.4305, 16.8766, 4.0873



5.4450, 6.8709, 5.2161



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



7.7831, 13.9482, 3.8724



12.4084, 23.9148, 4.7902



8.6687, 14.2944, 8.8996



3.9588, 4.4540, 4.2756



7.3640, 14.6735, 2.4441



35.0261, 69.9421, 11.6541

Inverse Universe

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



11.4633, 6.4103, 18.4031



19.3078, 9.7294, 32.1134



9.8076, 5.7797, 8.2533



4.1456, 4.0729, 5.0108



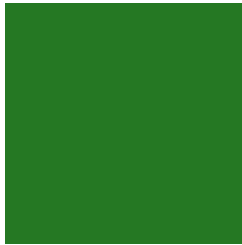
11.7265, 5.6180, 19.8516



55.8301, 26.7435, 94.6892

Previews

White Background



This preview shows how the XYZ color 7.7828, 13.9476, 3.8721 looks on a white background.

Color Contrast Check

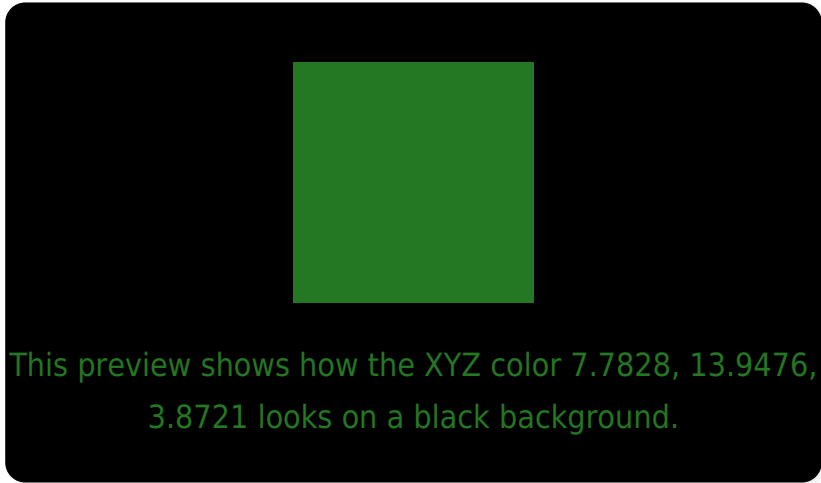
Large Text (above 18pt) WCAG AA ✓ Pass

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 7.7828, 13.9476, 3.8721

Background



This preview shows how black text looks on a background with the XYZ color 7.7828, 13.9476, 3.8721.



This preview shows how white text looks on a background with the XYZ color 7.7828, 13.9476,

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

7.7828, 13.9476, 3.8721

Protanopia

12.4001, 13.7126, 3.2896

Deuteranopia

13.9511, 13.7652, 4.2071



Tritanopia

11.1088, 13.9295, 20.1923

Trichromacy



Original Color

7.7828, 13.9476, 3.8721

Protanomaly

9.7671, 13.2824, 3.4155

Deuteranomaly

10.4646, 13.1554, 3.9952

Tritanomaly

9.3924, 13.7297, 11.8279

Monochromacy



Original Color

7.7828, 13.9476, 3.8721

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

7.7647, 10.3696, 6.9025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.7828, 13.9476, 3.8721 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(37, 120, 35)` looks like.

```
.text, #text, p{  
    color:rgb(37, 120, 35)  
}
```

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(37, 120, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 120, 35) }
```

Border

The CSS property to change the border of an element to XYZ 7.7828, 13.9476, 3.8721 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(37, 120, 35) }
```


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

```
.border{ border-color:rgb(37, 120, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 120, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 120, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 120, 35);  
box-shadow:4px 4px 4px 4px rgb(37, 120,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 7.7828, 13.9476, 3.8721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 120, 35) }
```

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

```
.background{ background-color: rgb(37, 120,  
35) }
```

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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