

Converting Colors

XYZ(7.7744, 14.4423, 3.0765)

Have a look what the booklet for
XYZ(7.7744, 14.4423, 3.0765)
contains.

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Color

**XYZ(7.8140, 14.5271,
3.1016)**

Conversions

Conversions Part 1

Format	Color
Hex	207B15
RGB	32, 123, 21
RGB Percent	13%, 48%, 8%
CMY	0.8745, 0.5176, 0.9176
CMYK	0.74, 0.00, 0.83, 0.52
HSL	114°, 71%, 28%
HSV	114°, 83%, 48%
XYZ	7.8140, 14.5271, 3.1016
YIQ	84.1630, -21.4940, -51.0140

Conversions

Conversions Part 2

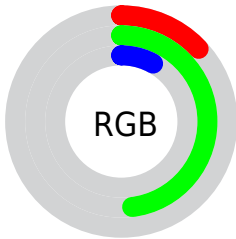
Format	Color
R_{YB}	21, 123, 112
Decimal	2128661
CIE _{Lab}	44.98, -45.43, 44.06
CIE _{LCh}	45, 63.285, 135.881
Yxy	14.5271, 0.3071, 0.5710
Android (android.graphics.Color)	4280318741 (0xFF207B15)
YUV	84.1630, -31.1394, -45.7470
Hunter-Lab	38.1144, -30.1052, 21.8553

Details

The XYZ color **7.8140, 14.5271, 3.1016** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **10.5261, 5.4116, 19.2293**, and the grayscale version is **8.5266, 8.9706, 9.7690**.

A 20% lighter version of the original color is **21.3718, 34.2140, 11.9561**, and **2.3825, 4.7651, 0.7942** is the 20% darker color. If you saturate the color by 10%, you get **7.4408, 14.3453, 2.6267**, and if you desaturate by 10%, it is **8.3573, 14.7910, 3.8758**.

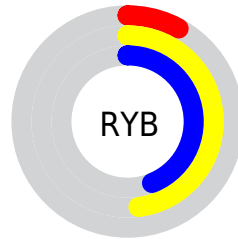
Distribution



Red (13%)

Green (48%)

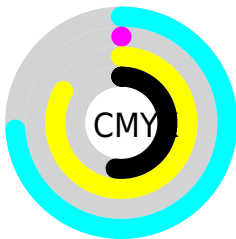
Blue (8%)



Red (8%)

Yellow (48%)

Blue (44%)

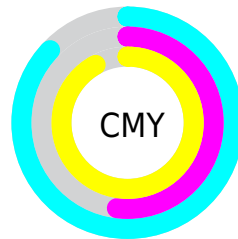


Cyan (74%)

Magenta (0%)

Yellow (83%)

Black (52%)



Cyan (87%)

Magenta (52%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.8140, 14.5271, 3.1016 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 7.8140, 14.5271, 3.1016 by changing the saturation by 10% instead.

■ 7.8140, 14.5271,
3.1016

■ 7.8140, 14.5271,
3.1016

168.6674,
220.4857, 137.6443

■ 4.0270, 8.4882,
1.1467

■ 21.2819, 34.0214,
11.8781

■ 1.7174, 4.4089,
0.0000

■ 31.6935, 48.2456,
19.5369

■ 0.4671, 1.9048,
0.0000

■ 45.0440, 65.9670,
29.9340

■ 0.0000, 0.5513,
0.0000

■ 61.6988, 87.5699,
43.4881

■ 0.0000, 0.0000,
0.0000

■ 82.0231, 113.4389,
60.6176

■ 106.3824,

143.9583, 81.7411

135.1421,
179.5124, 107.2772

7.8140, 14.5271,
3.1016

7.8140, 14.5271,
3.1016

7.4408, 14.3453,
2.6267

8.3573, 14.7910,
3.8758

7.2531, 14.2540,
2.3690

9.0872, 15.1435,
4.9881

10.0194, 15.5922,
6.4718

11.1676, 16.1435,
8.3557

12.5440, 16.8034,
10.6660

■ 14.1603, 17.5772,
13.4265

■ 16.0271, 18.4700,
16.6593

■ 18.1545, 19.4864,
20.3852

■ 20.5520, 20.6311,
24.6234

Harmonies

Analogous

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



11.2544, 14.5271, 1.1807



7.8140, 14.5271, 3.1016



6.2181, 14.5271, 9.8228

Triad

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



7.8140, 14.5271, 3.1016



11.5147, 14.5271, 62.8340



25.7934, 14.5271, 9.2183

Complementary

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



7.8140, 14.5271, 3.1016



10.5261, 5.4116, 19.2293

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.



25.9139, 14.5271, 23.8585



7.8140, 14.5271, 3.1016



16.7204, 14.5271, 62.2657

Square

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



7.8140, 14.5271, 3.1016



7.9633, 14.5271, 46.4598



22.2763, 14.5271, 45.1980



21.9794, 14.5271, 2.8967

Rectangle

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



7.8140, 14.5271, 3.1016



6.0731, 14.5271, 18.9282



22.2763, 14.5271, 45.1980



26.2943, 14.5271, 13.0678

Sweetspot

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



7.8143, 14.5277, 3.1019



24.5345, 31.0818, 22.6311



13.9997, 15.6565, 2.9938



5.5777, 7.2242, 4.9870



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



7.8143, 14.5277, 3.1019



12.9208, 25.4897, 4.2390



8.2109, 14.6533, 6.6849



3.9873, 4.4688, 4.2769



7.5003, 14.7438, 2.4505



35.4097, 70.1398, 11.6721

Inverse Universe

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



10.5261, 5.4116, 19.2293



17.7867, 8.4298, 34.2463



10.0333, 5.3862, 8.8784



4.1140, 4.0566, 5.0094



10.3142, 4.8899, 19.7855



48.7650, 23.1013, 94.3586

Previews

White Background



This preview shows how the XYZ color 7.8140, 14.5271, 3.1016 looks on a white background.

Color Contrast Check

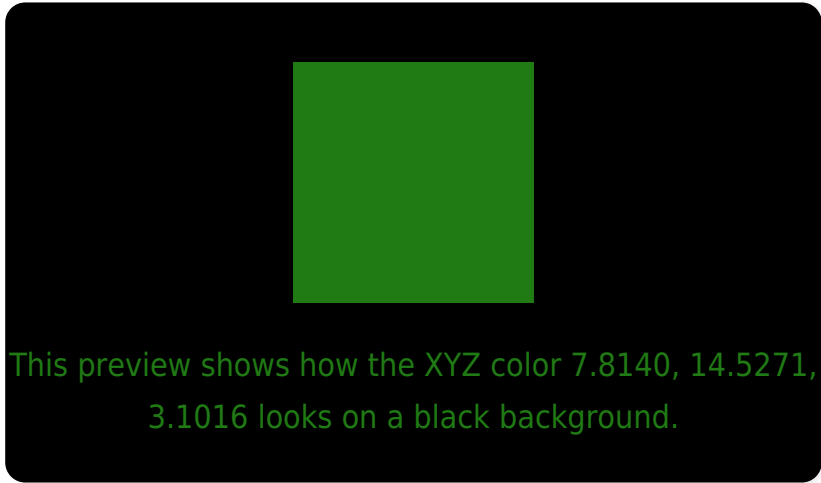
Large Text (above 18pt) WCAG AA ✓ Pass

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

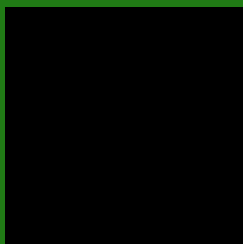
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 7.8140, 14.5271, 3.1016

Background



This preview shows how black text looks on a background with the XYZ color 7.8140, 14.5271, 3.1016.



This preview shows how white text looks on a background with the XYZ color 7.8140, 14.5271,

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

7.8140, 14.5271, 3.1016

Protanopia

12.8553, 14.2674, 2.5666

Deuteranopia

14.6011, 14.4037, 3.4495



Tritanopia

11.4590, 14.4197, 21.2481

Trichromacy



Original Color

7.8140, 14.5271, 3.1016

Protanomaly

9.8338, 13.6583, 2.6903

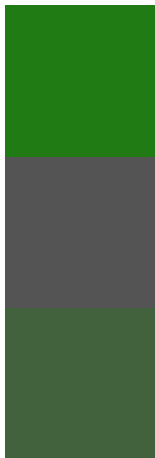
Deuteranomaly

10.5143, 13.5128, 3.2165

Tritanomaly

9.3482, 14.0637, 11.2387

Monochromacy



Original Color

7.8140, 14.5271, 3.1016

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

7.3900, 10.1961, 5.9934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.8140, 14.5271, 3.1016 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(32, 123, 21)` looks like.

```
.text, #text, p{  
    color:rgb(32, 123, 21)  
}
```

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(32, 123, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 123, 21) }
```

Border

The CSS property to change the border of an element to XYZ 7.8140, 14.5271, 3.1016 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(32, 123, 21) }
```


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

```
.border{ border-color:rgb(32, 123, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 123, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 123, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 123, 21);  
box-shadow:4px 4px 4px 4px rgb(32, 123,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 7.8140, 14.5271, 3.1016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 123, 21) }
```

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

```
.background{ background-color: rgb(32, 123,  
21) }
```

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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