

Converting Colors

XYZ(8.7528, 14.3885, 7.1774)

Have a look what the booklet for
XYZ(8.7528, 14.3885, 7.1774)
contains.

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Color

**XYZ(8.7241, 14.3610,
7.1626)**

Conversions

Conversions Part 1

Format	Color
Hex	2D7840
RGB	45, 120, 64
RGB Percent	18%, 47%, 25%
CMY	0.8235, 0.5294, 0.7490
CMYK	0.62, 0.00, 0.47, 0.53
HSL	135°, 45%, 32%
HSV	135°, 62%, 47%
XYZ	8.7241, 14.3610, 7.1626
YIQ	91.1910, -26.7240, -33.3160

Conversions

Conversions Part 2

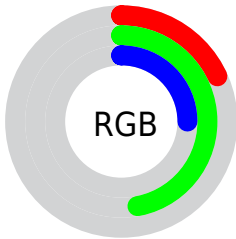
Format	Color
RYB	45, 105, 120
Decimal	2979904
CIELab	44.75, -36.29, 24.00
CIELCh	45, 43.511, 146.525
Yxy	14.3610, 0.2884, 0.4748
Android (android.graphics.Color)	4281169984 (0xFF2D7840)
YUV	91.1910, -13.4052, -40.5095
Hunter-Lab	37.8959, -25.2250, 15.3209

Details

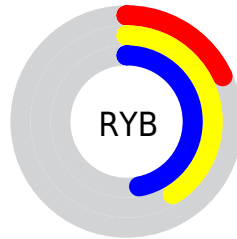
The XYZ color **8.7241, 14.3610, 7.1626** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **11.0336, 6.8098, 13.0455**, and the grayscale version is **10.0217, 10.5436, 11.4820**.

A 20% lighter version of the original color is **23.0698, 33.7320, 20.9178**, and **2.3077, 4.4273, 1.3490** is the 20% darker color. If you saturate the color by 10%, you get **8.0346, 14.0331, 5.9048**, and if you desaturate by 10%, it is **9.6055, 14.7839, 8.6440**.

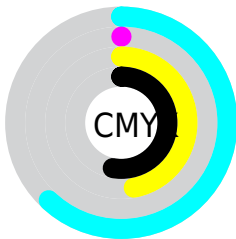
Distribution



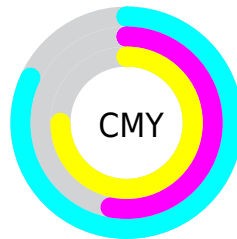
- Red (18%)
- Green (47%)
- Blue (25%)



- Red (18%)
- Yellow (41%)
- Blue (47%)



- Cyan (62%)
- Magenta (0%)
- Yellow (47%)
- Black (53%)





- Cyan (82%)
- Magenta (53%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 8.7241, 14.3610, 7.1626 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 8.7241, 14.3610, 7.1626 by changing the saturation by 10% instead.


 8.7241, 14.3610,
7.1626


 8.7241, 14.3610,
7.1626


175.5571,
219.4652, 178.6899


 4.6173, 8.3722,
3.4840


 23.0383, 33.7282,
20.8180


 2.0570, 4.3340,
1.3468

 33.9764, 47.8754,
31.6319


 0.6657, 1.8621,
0.0997

 47.9224, 65.5108,
45.6613

 0.0000, 0.5254,
0.0000

 65.2415, 87.0188,
63.3247

 0.0000, 0.0000,
0.0000

 86.2992, 112.7839,
85.0408

 111.4608,

143.1904, 111.2280

141.0917,
178.6227, 142.3048

■ 8.7241, 14.3610,
7.1626

■ 8.7241, 14.3610,
7.1626

■ 8.0346, 14.0331,
5.9048

■ 9.6055, 14.7839,
8.6440

■ 7.5208, 13.7908,
4.8586

■ 10.6912, 15.3068,
10.3581

■ 7.1652, 13.6259,
4.0126

■ 11.9935, 15.9362,
12.3148

■ 6.9562, 13.5293,
3.5000

■ 13.5238, 16.6778,
14.5230

■ 15.2925, 17.5368,
16.9913

■ 17.3092, 18.5180,
19.7278

■ 19.5833, 19.6260,
22.7403

■ 22.1233, 20.8651,
26.0361

■ 24.9377, 22.2395,
29.6225

Harmonies

Analogous

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



10.8307, 14.3610, 3.8782



8.7241, 14.3610, 7.1626



7.9218, 14.3610, 14.4851

Triad

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



8.7241, 14.3610, 7.1626



13.2414, 14.3610, 44.2703



20.6882, 14.3610, 8.4482

Complementary

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



8.7241, 14.3610, 7.1626



11.0336, 6.8098, 13.0455

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.



21.6308, 14.3610, 16.8477



8.7241, 14.3610, 7.1626



16.9198, 14.3610, 40.3578

Square

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



8.7241, 14.3610, 7.1626



10.2300, 14.3610, 38.1761



20.1488, 14.3610, 29.0368



17.7575, 14.3610, 4.3634

Rectangle

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



8.7241, 14.3610, 7.1626



8.1102, 14.3610, 21.8608



20.1488, 14.3610, 29.0368



21.2678, 14.3610, 10.7227

Sweetspot

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



8.7245, 14.3616, 7.1629



24.6837, 29.7683, 26.8103



12.5855, 16.4042, 4.9858



5.6839, 6.9743, 6.1200



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.



8.7245, 14.3616, 7.1629



13.7024, 24.4781, 9.5422



10.1603, 14.9359, 14.7242



3.9887, 4.4651, 4.4743



7.5833, 14.7570, 3.7906



35.8759, 70.2734, 16.5166

Inverse Universe

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



11.0336, 6.8098, 13.0455



18.1109, 9.9730, 20.7079



9.6029, 6.2375, 5.5114



4.1132, 4.0610, 4.7936



10.4391, 5.1518, 10.8692



49.4390, 24.4319, 49.9690

Previews

White Background



This preview shows how the XYZ color 8.7241, 14.3610, 7.1626 looks on a white background.

Color Contrast Check

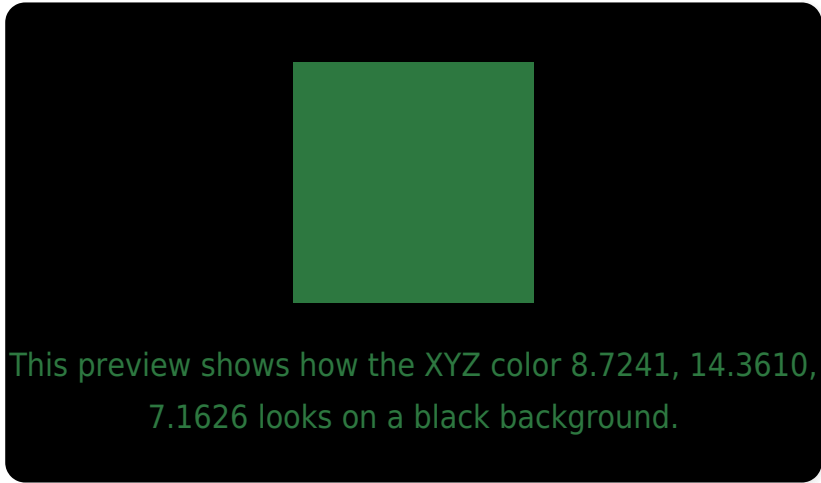
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.7241, 14.3610, 7.1626

Background



This preview shows how black text looks on a background with the XYZ color 8.7241, 14.3610, 7.1626.



This preview shows how white text looks on a background with the XYZ color 8.7241, 14.3610,

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

8.7241, 14.3610, 7.1626

Protanopia

13.0435, 14.1319, 6.1779

Deuteranopia

14.4803, 14.2491, 7.6174



Tritanopia

11.4669, 14.2644, 20.8878

Trichromacy



Original Color

8.7241, 14.3610, 7.1626

Protanomaly

10.6347, 13.6624, 6.4915

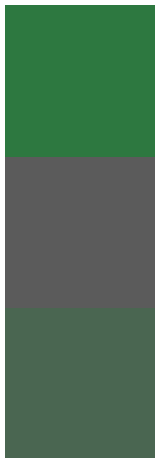
Deuteranomaly

11.3054, 13.6718, 7.3532

Tritanomaly

10.2746, 14.2908, 14.7873

Monochromacy



Original Color

8.7241, 14.3610, 7.1626

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

9.0606, 11.5527, 9.5369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.7241, 14.3610, 7.1626 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(45, 120, 64)` looks like.

```
.text, #text, p{  
    color:rgb(45, 120, 64)  
}
```

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(45, 120, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 120, 64) }
```

Border

The CSS property to change the border of an element to XYZ 8.7241, 14.3610, 7.1626 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(45, 120, 64) }
```


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

```
.border{ border-color:rgb(45, 120, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 120, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 120, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 120, 64);  
box-shadow:4px 4px 4px 4px rgb(45, 120,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 8.7241, 14.3610, 7.1626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 120, 64) }
```

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

```
.background{ background-color: rgb(45, 120,  
64) }
```

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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