

Converting Colors

XYZ(7.9147, 13.9934, 6.4617)

Have a look what the booklet for
XYZ(7.9147, 13.9934, 6.4617)
contains.

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Color

**XYZ(7.8826, 13.9429,
6.4135)**

Conversions

Conversions Part 1

Format	Color
Hex	18783B
RGB	24, 120, 59
RGB Percent	9%, 47%, 23%
CMY	0.9059, 0.5294, 0.7686
CMYK	0.80, 0.00, 0.51, 0.53
HSL	142°, 67%, 28%
HSV	142°, 80%, 47%
XYZ	7.8826, 13.9429, 6.4135
YIQ	84.3420, -37.6350, -39.3230

Conversions

Conversions Part 2

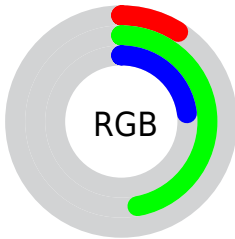
Format	Color
R_{YB}	24, 94, 120
Decimal	1603643
CIE _{Lab}	44.15, -41.23, 25.89
CIE _{LCh}	44, 48.682, 147.870
Yxy	13.9429, 0.2791, 0.4937
Android (android.graphics.Color)	4279793723 (0xFF18783B)
YUV	84.3420, -12.4936, -52.9199
Hunter-Lab	37.3402, -27.6636, 15.9546

Details

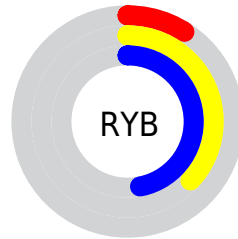
The XYZ color **7.8826, 13.9429, 6.4135** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **9.7125, 5.3025, 9.1065**, and the grayscale version is **8.5286, 8.9728, 9.7714**.

A 20% lighter version of the original color is **21.3437, 32.8800, 19.1315**, and **2.2694, 4.4120, 1.1475** is the 20% darker color. If you saturate the color by 10%, you get **7.4743, 13.7540, 5.4365**, and if you desaturate by 10%, it is **8.4463, 14.2094, 7.5492**.

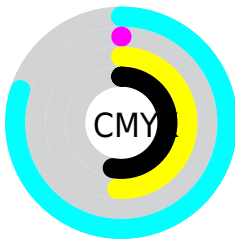
Distribution



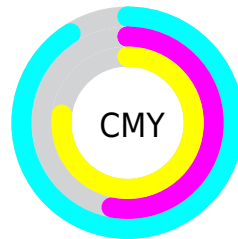
- Red (9%)
- Green (47%)
- Blue (23%)



- Red (9%)
- Yellow (37%)
- Blue (47%)



- Cyan (80%)
- Magenta (0%)
- Yellow (51%)
- Black (53%)



- Cyan (91%)
- Magenta (53%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.8826, 13.9429, 6.4135 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 7.8826, 13.9429, 6.4135 by changing the saturation by 10% instead.

■ 7.8826, 13.9429,
6.4135

■ 7.8826, 13.9429,
6.4135

169.1982,
216.8753, 172.1390

■ 4.0711, 8.0810,
3.0253

■ 21.4156, 32.9877,
19.2756

■ 1.7424, 4.1468,
1.1076

■ 31.8678, 46.9393,
29.5865

■ 0.4826, 1.7560,
0.0000

■ 45.2643, 64.3563,
43.0421

■ 0.0000, 0.4595,
0.0000

■ 61.9704, 85.6230,
60.0610

■ 0.0000, 0.0000,
0.0000

■ 82.3515, 111.1239,
81.0615

■ 106.7729,

141.2433, 106.4623

135.6000,
176.3656, 136.6820

■ 7.8826, 13.9429,
6.4135

■ 7.8826, 13.9429,
6.4135

■ 7.4743, 13.7540,
5.4365

■ 8.4463, 14.2094,
7.5492

■ 7.1667, 13.6135,
4.6084

■ 9.1803, 14.5597,
8.8497

■ 7.1667, 13.6134,
4.6083

■ 10.0987, 15.0016,
10.3216

■ 11.2138, 15.5411,
11.9709

■ 12.5369, 16.1839,
13.8036

■ 14.0781, 16.9353,
15.8250

■ 15.8473, 17.8002,
18.0404

■ 17.8534, 18.7830,
20.4549

■ 20.1050, 19.8881,
23.0733

Harmonies

Analogous

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



10.0601, 13.9429, 3.0399



7.8826, 13.9429, 6.4135



7.1047, 13.9429, 14.4005

Triad

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



7.8826, 13.9429, 6.4135



12.9767, 13.9429, 48.1344



21.0074, 13.9429, 7.2202

Complementary

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



7.8826, 13.9429, 6.4135



9.7125, 5.3025, 9.1065

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.



22.1993, 13.9429, 15.9901



7.8826, 13.9429, 6.4135



17.0571, 13.9429, 43.0082

Square

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



7.8826, 13.9429, 6.4135



9.6654, 13.9429, 41.4366



20.6324, 13.9429, 29.6268



17.6322, 13.9429, 3.3201

Rectangle

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



7.8826, 13.9429, 6.4135



7.3415, 13.9429, 22.7319



20.6324, 13.9429, 29.6268



21.7024, 13.9429, 9.5208

Sweetspot

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



7.8829, 13.9435, 6.4138



23.4671, 29.1543, 26.1588



10.7565, 15.4970, 3.2886



5.3767, 6.8192, 5.9558



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.



7.8829, 13.9435, 6.4138



12.7242, 23.9996, 8.3293



9.6744, 14.6600, 15.8472



4.0057, 4.4719, 4.5638



7.8117, 14.8483, 4.9932



36.8853, 70.6772, 21.8319

Inverse Universe

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



9.7125, 5.3025, 9.1065



16.0452, 8.0999, 13.0575



8.4291, 4.7892, 2.3481



4.0954, 4.0539, 4.7001



9.8759, 4.9265, 7.9033



46.6894, 23.3321, 35.4899

Previews

White Background



This preview shows how the XYZ color 7.8826, 13.9429, 6.4135 looks on a white background.

Color Contrast Check

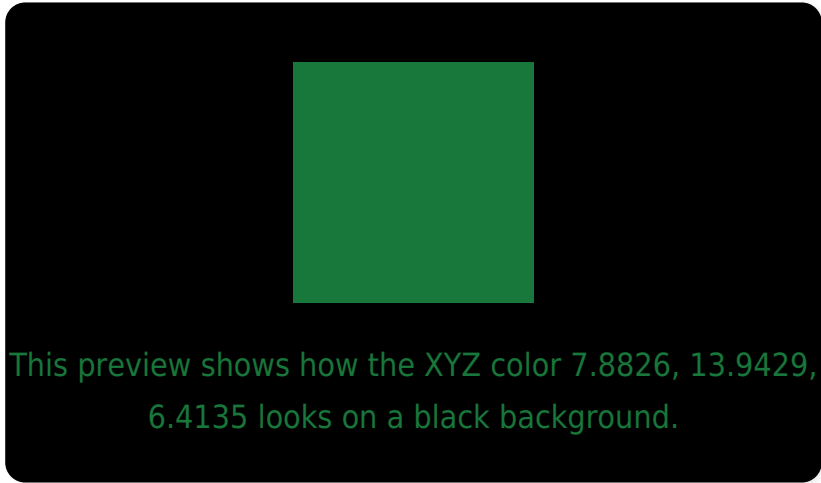
Large Text (above 18pt) WCAG AA ✓ Pass

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 7.8826, 13.9429, 6.4135

Background



This preview shows how black text looks on a background with the XYZ color 7.8826, 13.9429, 6.4135.



This preview shows how white text looks on a background with the XYZ color 7.8826, 13.9429,

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

7.8826, 13.9429, 6.4135

Protanopia

12.6631, 13.8025, 5.3649

Deuteranopia

13.9914, 13.7295, 6.7631



Tritanopia

10.7832, 13.9192, 20.5307

Trichromacy



Original Color

7.8826, 13.9429, 6.4135



Protanomaly

9.7452, 13.2215, 5.6528



Deuteranomaly

10.2470, 12.9870, 6.5241



Tritanomaly

9.4120, 13.8631, 13.9842

Monochromacy



Original Color

7.8826, 13.9429, 6.4135



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

7.5313, 10.0815, 8.2056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.8826, 13.9429, 6.4135 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(24, 120, 59)` looks like.

```
.text, #text, p{  
    color:rgb(24, 120, 59)  
}
```

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(24, 120, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 120, 59) }
```

Border

The CSS property to change the border of an element to XYZ 7.8826, 13.9429, 6.4135 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(24, 120, 59) }
```


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

```
.border{ border-color:rgb(24, 120, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 120, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 120, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 120, 59);  
box-shadow:4px 4px 4px 4px rgb(24, 120,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 7.8826, 13.9429, 6.4135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 120, 59) }
```

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

```
.background{ background-color: rgb(24, 120,  
59) }
```

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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