

# Converting Colors

XYZ(28.7752, 38.7921, 25.9851)

Have a look what the booklet for  
XYZ(28.7752, 38.7921, 25.9851)  
contains.

|  |    |
|--|----|
| <b>XYZ(28.8121, 38.9400, 26.0763)</b> .....    | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 12 |
| <b><i>Previews</i></b> .....                   | 24 |
| <b><i>Color Blindness Simulation</i></b> ..... | 28 |
| <b><i>CSS Examples</i></b> .....               | 31 |

# Color

**XYZ(28.8121, 38.9400,  
26.0763)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 7DB57F                       |
| RGB         | 125, 181, 127                |
| RGB Percent | 49%, 71%, 50%                |
| CMY         | 0.5098, 0.2902, 0.5020       |
| CMYK        | 0.31, 0.00, 0.30, 0.29       |
| HSL         | 122°, 27%, 60%               |
| HSV         | 122°, 31%, 71%               |
| XYZ         | 28.8121, 38.9400, 26.0763    |
| YIQ         | 158.1000, -16.0420, -28.6660 |

# Conversions

## Conversions Part 2

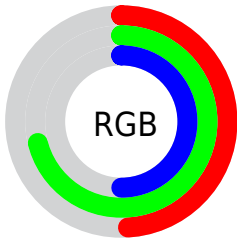
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 125, 179, 181                   |
| Decimal                             | 8238463                         |
| CIELab                              | 68.71, -29.24, 21.85            |
| CIELCh                              | 69, 36.501, 143.236             |
| Yxy                                 | 38.9400, 0.3071,<br>0.4150      |
| Android<br>(android.graphics.Color) | 4286428543<br>(0xFF7DB57F)      |
| YUV                                 | 158.1000, -15.3323,<br>-29.0287 |
| Hunter-Lab                          | 62.4019, -26.7867,<br>18.9054   |

# Details

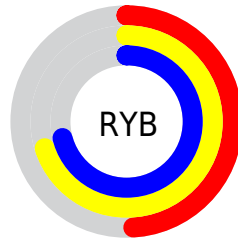
The XYZ color **28.8121, 38.9400, 26.0763** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **34.5277, 27.7465, 46.1852**, and the grayscale version is **32.6182, 34.3169, 37.3711**.

A 20% lighter version of the original color is **57.1128, 73.4474, 54.3466**, and **11.8828, 17.4300, 9.7592** is the 20% darker color. If you saturate the color by 10%, you get **25.3660, 37.2849, 20.4829**, and if you desaturate by 10%, it is **32.9388, 40.9255, 32.7318**.

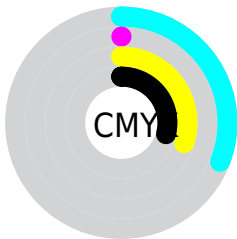
# Distribution



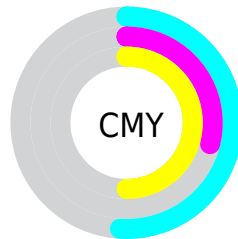
- Red (49%)
- Green (71%)
- Blue (50%)



- Red (49%)
- Yellow (70%)
- Blue (71%)



- Cyan (31%)
- Magenta (0%)
- Yellow (30%)
- Black (29%)



- Cyan (51%)
- Magenta (29%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8121, 38.9400, 26.0763 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 28.8121, 38.9400, 26.0763 by changing the saturation by 10% instead.



■ 28.8121, 38.9400,  
26.0763

■ 28.8121, 38.9400,  
26.0763

288.3376,  
341.6353, 296.7738

■ 19.0823, 26.7131,  
16.6545

■ 57.1780, 73.5467,  
54.3836

■ 11.8341, 17.3578,  
9.8291

■ 76.5449, 96.6951,  
74.1061

■ 6.7022, 10.4899,  
5.1817

■ 99.8548, 124.2529,  
98.0993

■ 3.3212, 5.7250,  
2.2936

127.4731,  
156.6044, 126.7817

■ 1.3258, 2.6786,  
0.7277

159.7652,  
194.1340, 160.5718

■ 0.2024, 0.9663,  
0.0000

197.0964,

■ 0.0000, 0.0000,

237.2261, 199.8881

0.0000

239.8321,  
286.2651, 245.1493

■ 28.8121, 38.9400,  
26.0763

■ 28.8121, 38.9400,  
26.0763

■ 25.3660, 37.2849,  
20.4829

■ 32.9388, 40.9255,  
32.7318

■ 22.5612, 35.9376,  
15.8944

■ 37.7768, 43.2527,  
40.4977

■ 20.3589, 34.8806,  
12.2519


■ 43.3584, 45.9384,  
49.4223


■ 18.7150, 34.0926,  
9.4895


■ 49.7132, 48.9968,  
59.5505


■ 17.5794, 33.5493,  
7.5329


■ 56.8691, 52.4414,  
70.9245

 16.8927, 33.2219,  
6.2954

 64.8525, 56.2851,  
83.5847

 16.5600, 33.0634,  
5.6948

 73.6889, 60.5401,  
97.5697

 75.8146, 61.5292,  
102.4882

# Harmonies

## Analogous

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



32.8026, 38.9400, 19.3826



28.8121, 38.9400, 26.0763



27.0465, 38.9400, 38.7638

# Triad

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



28.8121, 38.9400, 26.0763



35.7192, 38.9400, 82.4507



48.1767, 38.9400, 31.0534

# Complementary

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



28.8121, 38.9400, 26.0763



34.5277, 27.7465, 46.1852

# 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.



49.1646, 38.9400, 46.2547



28.8121, 38.9400, 26.0763



41.5654, 38.9400, 78.8325

# Square

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



28.8121, 38.9400, 26.0763



30.7572, 38.9400, 73.3053



46.6348, 38.9400, 64.4142



44.0604, 38.9400, 21.6906



# Rectangle

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



28.8121, 38.9400, 26.0763



27.2235, 38.9400, 50.1020



46.6348, 38.9400, 64.4142



48.9022, 38.9400, 35.5290

# Sweetspot

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



28.8131, 38.9416, 26.0772



69.3440, 78.2741, 75.2329



38.8484, 44.1300, 25.8728



14.6939, 16.7765, 15.7901



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



28.8131, 38.9416, 26.0772



47.3479, 67.6960, 39.8063



30.8876, 39.7715, 37.0015



8.4009, 9.4948, 9.1047



11.4212, 22.7944, 3.9548



0.3634, 0.7188, 0.1458



# Inverse Universe

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



34.5277, 27.7465, 46.1852



59.1817, 44.5084, 81.4432



31.9876, 26.7305, 32.8095



8.8367, 8.6414, 10.6383



18.4454, 8.8957, 28.5689



0.5844, 0.2815, 0.9202



# Previews

## White Background



This preview shows how the XYZ color 28.8121, 38.9400, 26.0763 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 28.8121, 38.9400, 26.0763 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

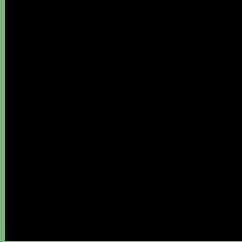
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 28.8121, 38.9400, 26.0763**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.8121, 38.9400, 26.0763.



This preview shows how white text looks on a background with the XYZ color 28.8121, 38.9400,



# 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

28.8121, 38.9400, 26.0763

### Protanopia

36.0923, 38.7212, 23.6608

### Deuteranopia

39.1732, 38.3824, 26.8166



## **Tritanopia**

34.0666, 38.7092, 52.6898

# Trichromacy



## Original Color

28.8121, 38.9400, 26.0763

## Protanomaly

32.8249, 38.4087, 24.4225

## Deuteranomaly

34.6095, 38.1630, 26.6612

## Tritanomaly

31.8326, 38.6728, 41.3842

# Monochromacy



## Original Color

28.8121, 38.9400, 26.0763

## Achromatopsia

32.4990, 34.1914, 37.2345

## Achromatomaly

30.7567, 35.4900, 32.8330

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.8121, 38.9400, 26.0763 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(125, 181, 127)` looks like.

```
.text, #text, p{  
    color:rgb(125, 181, 127)  
}
```

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(125, 181, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 181, 127) }
```

## Border

The CSS property to change the border of an element to XYZ 28.8121, 38.9400, 26.0763 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(125, 181, 127) }
```



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

```
.border{ border-color:rgb(125, 181, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 181, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 181, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 181, 127);  
box-shadow:4px 4px 4px 4px rgb(125, 181,  
127) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.8121, 38.9400, 26.0763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 181, 127) }
```

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

```
.background{ background-color: rgb(125,  
181, 127) }
```

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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