

Converting Colors

XYZ(10.2176, 12.6772, 10.0363)

Have a look what the booklet for
XYZ(10.2176, 12.6772, 10.0363)
contains.

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Color

**XYZ(10.2826, 12.7716,
10.1068)**

Conversions

Conversions Part 1

Format	Color
Hex	536A53
RGB	83, 106, 83
RGB Percent	33%, 42%, 33%
CMY	0.6745, 0.5843, 0.6745
CMYK	0.22, 0.00, 0.22, 0.58
HSL	120°, 12%, 37%
HSV	120°, 22%, 42%
XYZ	10.2826, 12.7716, 10.1068
YIQ	96.5010, -6.3250, -12.0290

Conversions

Conversions Part 2

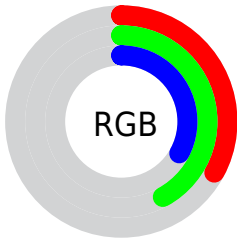
Format	Color
RYB	83, 106, 106
Decimal	5466707
CIELab	42.42, -13.55, 10.16
CIElCh	42, 16.940, 143.131
Yxy	12.7716, 0.3101, 0.3851
Android (android.graphics.Color)	4283656787 (0xFF536A53)
YUV	96.5010, -6.6560, -11.8404
Hunter-Lab	35.7374, -11.1812, 8.2485

Details

The XYZ color **10.2826, 12.7716, 10.1068** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.6390, 10.2915, 15.0091**, and the grayscale version is **11.2572, 11.8434, 12.8975**.

A 20% lighter version of the original color is **25.9635, 30.7939, 26.7657**, and **2.6768, 3.6612, 2.3993** is the 20% darker color. If you saturate the color by 10%, you get **9.0395, 12.1749, 8.0732**, and if you desaturate by 10%, it is **11.7320, 13.4682, 12.4773**.

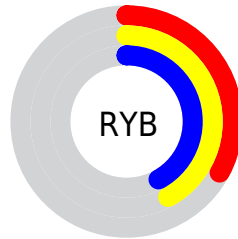
Distribution



Red (33%)

Green (42%)

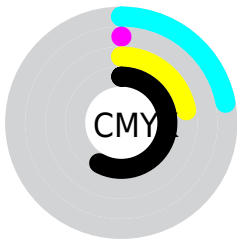
Blue (33%)



Red (33%)

Yellow (42%)

Blue (42%)

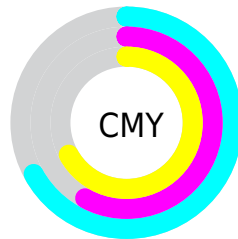


Cyan (22%)

Magenta (0%)

Yellow (22%)

Black (58%)



Cyan (67%)

Magenta (58%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2826, 12.7716, 10.1068 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 10.2826, 12.7716, 10.1068 by changing the saturation by 10% instead.

■ 10.2826, 12.7716,
10.1068

■ 10.2826, 12.7716,
10.1068

186.6891,
209.4487, 201.9451

■ 5.6504, 7.2715,
5.3633

■ 25.9706, 30.8928,
26.6071

■ 2.6723, 3.6324,
2.3995

■ 37.7571, 44.2827,
39.2011

■ 0.9830, 1.4702,
0.7862

■ 52.6591, 61.0713,
55.2489

■ 0.0000, 0.2676,
0.0000

■ 71.0420, 81.6430,
75.1691

■ 0.0000, 0.0000,
0.0000

■ 93.2711, 106.3822,
99.3803

119.7117,

135.6733, 128.3010

150.7293,
169.9006, 162.3497

■ 10.2826, 12.7716,
10.1068

■ 10.2826, 12.7716,
10.1068

■ 9.0395, 12.1749,
8.0732

■ 11.7320, 13.4682,
12.4773

■ 7.9924, 11.6719,
6.3605

■ 13.3954, 14.2672,
15.1980

■ 7.1316, 11.2584,
4.9525

■ 15.2814, 15.1732,
18.2828

■ 6.4462, 10.9291,
3.8313

■ 17.3977, 16.1897,
21.7443

■ 5.9240, 10.6783,
2.9773

■ 19.7518, 17.3205,
25.5948

■ 5.5517, 10.4995,
2.3682

■ 22.3507, 18.5689,
29.8456

■ 5.3127, 10.3847,
1.9772

■ 25.2012, 19.9382,
34.5080

■ 5.1543, 10.3086,
1.7182

■ 28.3099, 21.4314,
39.5926

■ 31.6829, 23.0517,
45.1097

Harmonies

Analogous

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



11.2018, 12.7716, 8.4001



10.2826, 12.7716, 10.1068



9.8655, 12.7716, 13.0837

Triad

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



10.2826, 12.7716, 10.1068



11.8484, 12.7716, 22.1003



14.5343, 12.7716, 11.3278

Complementary

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



10.2826, 12.7716, 10.1068



11.6390, 10.2915, 15.0091

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.



14.7375, 12.7716, 14.7622



10.2826, 12.7716, 10.1068



13.1271, 12.7716, 21.4080

Square

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



10.2826, 12.7716, 10.1068



10.7276, 12.7716, 20.3086



14.2064, 12.7716, 18.5550



13.6691, 12.7716, 9.0142

Rectangle

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



10.2826, 12.7716, 10.1068



9.9060, 12.7716, 15.5618



14.2064, 12.7716, 18.5550



14.6847, 12.7716, 12.3722

Sweetspot

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



10.2829, 12.7721, 10.1071



21.8571, 24.2450, 23.9710



12.6598, 13.9975, 10.2181



5.0975, 5.6686, 5.5784



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



10.2829, 12.7721, 10.1071



16.9067, 21.8671, 15.8739



10.7645, 12.9648, 12.6431



3.0640, 3.4448, 3.3209



6.3963, 12.7926, 2.1322



32.5920, 65.1839, 10.8642

Inverse Universe

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



11.6390, 10.2915, 15.0091



19.7387, 16.6867, 26.1110



11.0804, 10.0680, 12.0673



3.2176, 3.1639, 3.8760



10.6048, 5.0940, 17.3452



54.0360, 25.9563, 88.3810

Previews

White Background



This preview shows how the XYZ color 10.2826, 12.7716, 10.1068 looks on a white background.

Color Contrast Check

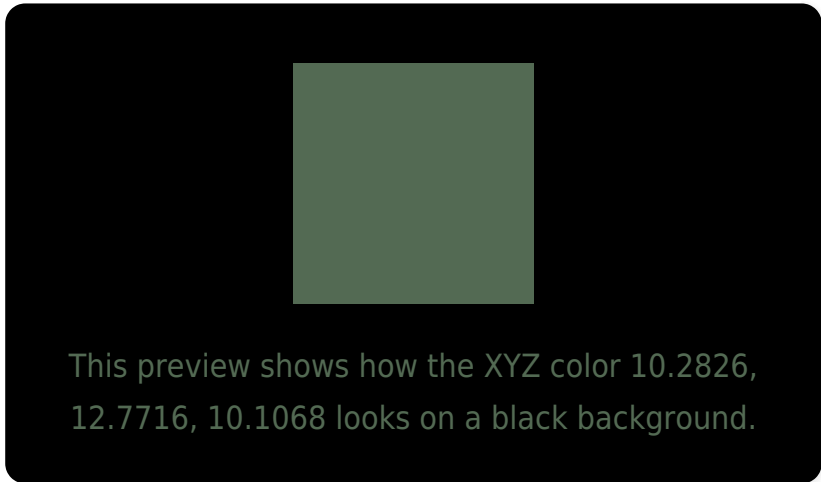
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.2826, 12.7716, 10.1068

Background



This preview shows how black text looks on a background with the XYZ color 10.2826, 12.7716, 10.1068.



This preview shows how white text looks on a background with the XYZ color 10.2826, 12.7716,

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

10.2826, 12.7716, 10.1068

Protanopia

11.9490, 12.7577, 9.4221

Deuteranopia

12.8928, 12.6665, 10.3597



Tritanopia

11.5903, 12.7032, 16.5929

Trichromacy



Original Color

10.2826, 12.7716, 10.1068

Protanomaly

11.2736, 12.6935, 9.6405

Deuteranomaly

11.7509, 12.6380, 10.2075

Tritanomaly

10.9882, 12.5990, 13.9093

Monochromacy



Original Color

10.2826, 12.7716, 10.1068

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.9026, 12.1624, 11.8982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2826, 12.7716, 10.1068 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(83, 106, 83)` looks like.

```
.text, #text, p{  
    color:rgb(83, 106, 83)  
}
```

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(83, 106, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 106, 83) }
```

Border

The CSS property to change the border of an element to XYZ 10.2826, 12.7716, 10.1068 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(83, 106, 83) }
```


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

```
.border{ border-color:rgb(83, 106, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 106, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 106, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 106, 83);  
box-shadow:4px 4px 4px 4px rgb(83, 106,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2826, 12.7716, 10.1068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 106, 83) }
```

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

```
.background{ background-color: rgb(83, 106,  
83) }
```

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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