

Converting Colors

XYZ(13.2826, 13.4365, 9.8761)

Have a look what the booklet for
XYZ(13.2826, 13.4365, 9.8761)
contains.

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Color

**XYZ(13.2826, 13.4365,
9.8761)**

Conversions

Conversions Part 1

Format	Color
Hex	746452
RGB	116, 100, 82
RGB Percent	45%, 39%, 32%
CMY	0.5451, 0.6078, 0.6784
CMYK	0.00, 0.14, 0.29, 0.55
HSL	32°, 17%, 39%
HSV	32°, 29%, 45%
XYZ	13.2826, 13.4365, 9.8761
YIQ	102.7320, 15.3140, -2.2060

Conversions

Conversions Part 2

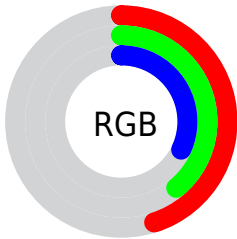
Format	Color
R_{YB}	112, 116, 82
Decimal	7627858
CIE Lab	43.41, 3.38, 12.58
CIE LCh	43, 13.021, 74.978
Yxy	13.4365, 0.3630, 0.3672
Android (android.graphics.Color)	4285817938 (0xFF746452)
YUV	102.7320, -10.2209, 11.6360
Hunter-Lab	36.6558, 0.5335, 9.6847

Details

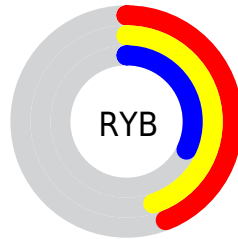
The XYZ color **13.2826, 13.4365, 9.8761** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.9997, 11.7899, 18.2190**, and the grayscale version is **12.8449, 13.5138, 14.7166**.

A 20% lighter version of the original color is **31.3118, 32.0967, 26.0177**, and **3.9218, 3.8731, 2.2911** is the 20% darker color. If you saturate the color by 10%, you get **12.3720, 12.2629, 7.5758**, and if you desaturate by 10%, it is **14.3036, 14.7113, 12.5817**.

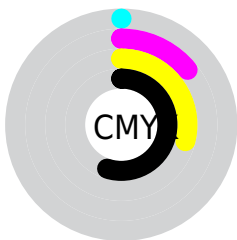
Distribution



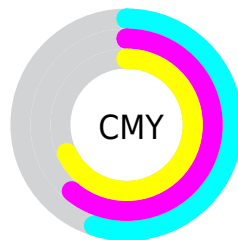
- Red (45%)
- Green (39%)
- Blue (32%)



- Red (44%)
- Yellow (45%)
- Blue (32%)



- Cyan (0%)
- Magenta (14%)
- Yellow (29%)
- Black (55%)



- Cyan (55%)
- Magenta (61%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2826, 13.4365, 9.8761 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 13.2826, 13.4365, 9.8761 by changing the saturation by 10% instead.

■ 13.2826, 13.4365,
9.8761

■ 13.2826, 13.4365,
9.8761

206.3222,
213.6965, 200.2381

■ 7.7018, 7.7298,
5.2124

■ 31.4076, 32.0858,
26.1664

■ 3.9549, 3.9225,
2.3115

■ 44.6824, 45.7971,
38.6299

■ 1.6767, 1.6303,
0.7376

■ 61.2527, 62.9455,
54.5306

■ 0.4416, 0.3779,
0.0000

■ 81.4837, 83.9153,
74.2868

■ 0.0000, 0.0000,
0.0000

■ 105.7407,
109.0909, 98.3171

134.3893,

138.8567, 127.0400

167.7946,
173.5971, 160.8742

■ 13.2826, 13.4365,
9.8761

■ 13.2826, 13.4365,
9.8761

■ 12.3720, 12.2629,
7.5758

■ 14.3036, 14.7113,
12.5817

■ 11.5663, 11.1859,
5.6601

■ 15.4382, 16.0883,
15.7105

■ 10.8612, 10.2030,
4.1076

■ 16.6906, 17.5706,
19.2801

■ 10.2514, 9.3110,
2.8942

■ 18.0645, 19.1607,
23.3070

■ 9.7311, 8.5064,
1.9932

■ 19.5635, 20.8610,
27.8068

■ 9.2936, 7.7852,
1.3737

■ 21.1908, 22.6739,
32.7944

■ 8.9184, 7.1379,
0.9307

■ 22.9499, 24.6016,
38.2839

■ 8.8937, 7.0955,
0.9008

■ 24.8437, 26.6462,
44.2889

■ 26.8754, 28.8098,
50.8226

Harmonies

Analogous

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



14.1992, 13.4365, 11.0303



13.2826, 13.4365, 9.8761



12.2741, 13.4365, 9.8752

Triad

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



13.2826, 13.4365, 9.8761



10.9800, 13.4365, 16.1198



14.1980, 13.4365, 18.9421

Complementary

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



13.2826, 13.4365, 9.8761



10.9997, 11.7899, 18.2190

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.



13.2811, 13.4365, 20.7085



13.2826, 13.4365, 9.8761



11.4419, 13.4365, 18.9385

Square

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



13.2826, 13.4365, 9.8761



10.9804, 13.4365, 13.2311



12.2727, 13.4365, 20.7071



14.7464, 13.4365, 16.1243

Rectangle

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



13.2826, 13.4365, 9.8761



11.6865, 13.4365, 10.5183



12.2727, 13.4365, 20.7071



13.9206, 13.4365, 19.6941

Sweetspot

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



13.2830, 13.4371, 9.8764



27.1547, 28.3008, 27.6643



12.4450, 10.6378, 13.0604



6.4188, 6.6804, 6.4336



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.2830, 13.4371, 9.8764



22.2747, 22.2431, 14.6233



14.8958, 16.7743, 10.4355



3.8295, 3.9919, 3.9110



9.9621, 7.9255, 1.0047



47.6828, 36.8942, 4.6081

Inverse Universe

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



10.9997, 11.7899, 18.2190



17.5856, 18.8609, 31.7582



9.6990, 9.1151, 17.7712



3.6295, 3.8476, 4.6416



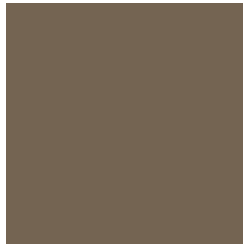
5.0302, 4.4002, 19.1268



23.6691, 19.7547, 92.9258

Previews

White Background



This preview shows how the XYZ color 13.2826, 13.4365, 9.8761 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



This preview shows how the XYZ color 13.2826, 13.4365, 9.8761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

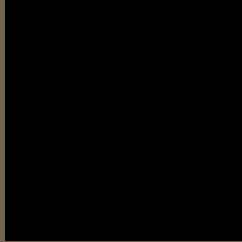
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2826, 13.4365, 9.8761

Background



This preview shows how black text looks on a background with the XYZ color 13.2826, 13.4365, 9.8761.



This preview shows how white text looks on a background with the XYZ color 13.2826, 13.4365,

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

13.2826, 13.4365, 9.8761

Protanopia

12.6194, 13.3785, 10.1008

Deuteranopia

13.7306, 13.5259, 9.8697



Tritanopia

14.3811, 13.4708, 14.9389

Trichromacy



Original Color

13.2826, 13.4365, 9.8761

Protanomaly

12.8971, 13.3766, 10.0858

Deuteranomaly

13.5926, 13.4548, 9.8633

Tritanomaly

13.9502, 13.4314, 12.9236

Monochromacy



Original Color

13.2826, 13.4365, 9.8761

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.0013, 13.5171, 12.7503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2826, 13.4365, 9.8761 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(116, 100, 82)` looks like.

```
.text, #text, p{  
    color:rgb(116, 100, 82)  
}
```

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(116, 100, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 100, 82) }
```

Border

The CSS property to change the border of an element to XYZ 13.2826, 13.4365, 9.8761 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(116, 100, 82) }
```


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

```
.border{ border-color:rgb(116, 100, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 100, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 100, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 100, 82);  
box-shadow:4px 4px 4px 4px rgb(116, 100,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2826, 13.4365, 9.8761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 100, 82) }
```

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

```
.background{ background-color: rgb(116,  
100, 82) }
```

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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