

Converting Colors

XYZ(13.2775, 16.9234, 17.3658)

Have a look what the booklet for
XYZ(13.2775, 16.9234, 17.3658)
contains.

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Color

**XYZ(13.2537, 16.8387,
17.3035)**

Conversions

Conversions Part 1

Format	Color
Hex	527A6E
RGB	82, 122, 110
RGB Percent	32%, 48%, 43%
CMY	0.6784, 0.5216, 0.5686
CMYK	0.33, 0.00, 0.10, 0.52
HSL	162°, 20%, 40%
HSV	162°, 33%, 48%
XYZ	13.2537, 16.8387, 17.3035
YIQ	108.6720, -19.9880, -12.2120

Conversions

Conversions Part 2

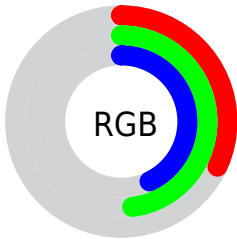
Format	Color
R_{YB}	82, 106, 122
Decimal	5405294
CIE _{Lab}	48.06, -16.82, 2.11
CIE _{LCh}	48, 16.956, 172.851
Yxy	16.8387, 0.2796, 0.3553
Android (android.graphics.Color)	4283595374 (0xFF527A6E)
YUV	108.6720, 0.6547, -23.3913
Hunter-Lab	41.0350, -14.1583, 3.7233

Details

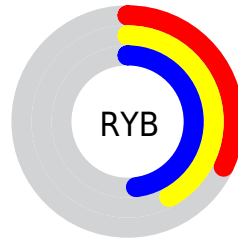
The XYZ color **13.2537, 16.8387, 17.3035** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.0643, 10.9808, 12.0213**, and the grayscale version is **14.4456, 15.1979, 16.5505**.

A 20% lighter version of the original color is **31.5244, 38.2551, 39.9049**, and **3.9394, 5.4640, 5.5497** is the 20% darker color. If you saturate the color by 10%, you get **12.0906, 16.2621, 16.2304**, and if you desaturate by 10%, it is **14.6147, 17.5172, 18.4296**.

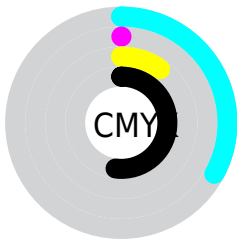
Distribution



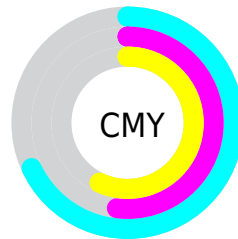
- Red (32%)
- Green (48%)
- Blue (43%)



- Red (32%)
- Yellow (42%)
- Blue (48%)



- Cyan (33%)
- Magenta (0%)
- Yellow (10%)
- Black (52%)



- Cyan (68%)
- Magenta (52%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2537, 16.8387, 17.3035 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 13.2537, 16.8387, 17.3035 by changing the saturation by 10% instead.

■ 13.2537, 16.8387,
17.3035

■ 13.2537, 16.8387,
17.3035

206.1422,
234.2411, 249.0182

■ 7.6817, 10.1196,
10.2869

■ 31.3563, 38.0482,
39.6446

■ 3.9420, 5.4783,
5.4815

■ 44.6175, 53.3074,
55.8062

■ 1.6694, 2.5305,
2.4688

■ 61.1726, 72.1821,
75.8532

■ 0.4370, 0.8919,
0.8236

■ 81.3868, 95.0566,
100.2042

■ 0.0000, 0.0000,
0.0000

■ 105.6255,
122.3153, 129.2776

134.2540,

154.3428, 163.4921

167.6378,
191.5232, 203.2661

■ 13.2537, 16.8387,
17.3035

■ 13.2537, 16.8387,
17.3035

■ 12.0906, 16.2621,
16.2304

■ 14.6147, 17.5172,
18.4296

■ 11.1138, 15.7802,
15.2080

■ 16.1814, 18.3005,
19.6085

■ 10.3128, 15.3879,
14.2359

■ 17.9632, 19.1936,
20.8414

■ 9.6754, 15.0791,
13.3129

■ 19.9682, 20.2008,
22.1293

■ 9.1877, 14.8465,
12.4377

■ 22.2043, 21.3261,
23.4729

■ 8.8330, 14.6817,
11.6091

■ 24.6788, 22.5733,
24.8731

■ 8.6154, 14.5819,
11.0380

■ 27.3988, 23.9461,
26.3307

■ 30.3711, 25.4479,
27.8464

■ 33.6022, 27.0820,
29.4211

Harmonies

Analogous

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



13.7677, 16.8387, 13.6931



13.2537, 16.8387, 17.3035



13.4384, 16.8387, 21.8131

Triad

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



13.2537, 16.8387, 17.3035



17.1772, 16.8387, 27.2690



17.8521, 16.8387, 12.3938

Complementary

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



13.2537, 16.8387, 17.3035



13.0643, 10.9808, 12.0213

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.



18.8785, 16.8387, 15.2469



13.2537, 16.8387, 17.3035



18.4718, 16.8387, 23.9214

Square

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



13.2537, 16.8387, 17.3035



15.6405, 16.8387, 28.0544



19.1122, 16.8387, 19.4056



16.3744, 16.8387, 11.1673

Rectangle

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



13.2537, 16.8387, 17.3035



13.9389, 16.8387, 24.6980



19.1122, 16.8387, 19.4056



18.2651, 16.8387, 13.1703

Sweetspot

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



13.2542, 16.8394, 17.3039



29.2283, 32.5760, 35.0389



13.1678, 16.9441, 10.5595



6.6056, 7.4098, 7.9568



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.



13.2542, 16.8394, 17.3039



21.8185, 28.8803, 29.0812



13.0859, 15.3852, 20.6931



4.0583, 4.4929, 4.8406



9.0665, 15.3503, 11.6010



42.8585, 73.0664, 53.2865

Inverse Universe

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



13.0643, 10.9808, 12.0213



21.4345, 16.9621, 18.3460



13.1498, 11.9476, 9.5960



4.0432, 4.0330, 4.4253



8.7918, 4.4929, 2.1946



41.6036, 21.2978, 8.7088

Previews

White Background



This preview shows how the XYZ color 13.2537, 16.8387, 17.3035 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 13.2537, 16.8387, 17.3035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

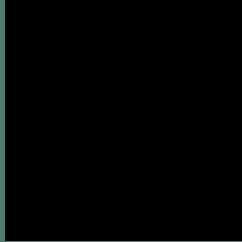
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2537, 16.8387, 17.3035

Background



This preview shows how black text looks on a background with the XYZ color 13.2537, 16.8387, 17.3035.

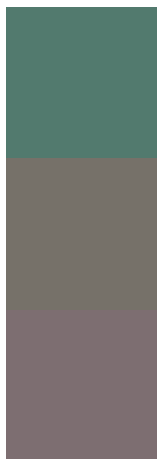


This preview shows how white text looks on a background with the XYZ color 13.2537, 16.8387,

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

13.2537, 16.8387, 17.3035

Protanopia

15.9261, 16.6817, 15.7451

Deuteranopia

17.0140, 16.7041, 17.9503



Tritanopia

14.3970, 16.7571, 23.2445

Trichromacy



Original Color

13.2537, 16.8387, 17.3035

Protanomaly

14.7249, 16.5556, 16.3294

Deuteranomaly

15.2486, 16.4557, 17.7018

Tritanomaly

13.9756, 16.7694, 20.9126

Monochromacy



Original Color

13.2537, 16.8387, 17.3035

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.9232, 15.7914, 16.7822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2537, 16.8387, 17.3035 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(82, 122, 110)` looks like.

```
.text, #text, p{  
    color:rgb(82, 122, 110)  
}
```

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(82, 122, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 122, 110) }
```

Border

The CSS property to change the border of an element to XYZ 13.2537, 16.8387, 17.3035 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(82, 122, 110) }
```


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

```
.border{ border-color:rgb(82, 122, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 122, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 122, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 122, 110);  
box-shadow:4px 4px 4px 4px rgb(82, 122,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2537, 16.8387, 17.3035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 122, 110) }
```

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

```
.background{ background-color: rgb(82, 122,  
110) }
```

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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