

Converting Colors

XYZ(10.8471, 13.5113, 15.0849)

Have a look what the booklet for
XYZ(10.8471, 13.5113, 15.0849)
contains.

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Color

**XYZ(10.8987, 13.6072,
15.1487)**

Conversions

Conversions Part 1

Format	Color
Hex	4A6E68
RGB	74, 110, 104
RGB Percent	29%, 43%, 41%
CMY	0.7098, 0.5686, 0.5922
CMYK	0.33, 0.00, 0.05, 0.57
HSL	170°, 20%, 36%
HSV	170°, 33%, 43%
XYZ	10.8987, 13.6072, 15.1487
YIQ	98.5520, -19.5300, -9.4980

Conversions

Conversions Part 2

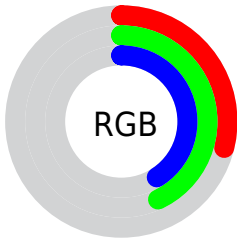
Format	Color
RYB	74, 94, 110
Decimal	4877928
CIELab	43.66, -14.26, -0.76
CIElCh	44, 14.282, 183.068
Yxy	13.6072, 0.2748, 0.3431
Android (android.graphics.Color)	4283068008 (0xFF4A6E68)
YUV	98.5520, 2.6859, -21.5321
Hunter-Lab	36.8879, -11.8153, 1.4730

Details

The XYZ color **10.8987, 13.6072, 15.1487** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.3277, 8.7922, 8.7428**, and the grayscale version is **11.7445, 12.3562, 13.4559**.

A 20% lighter version of the original color is **27.1489, 32.4923, 35.8511**, and **2.9131, 3.9737, 4.4844** is the 20% darker color. If you saturate the color by 10%, you get **10.0327, 13.1718, 14.6274**, and if you desaturate by 10%, it is **11.9156, 14.1209, 15.6882**.

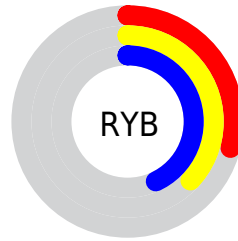
Distribution



Red (29%)

Green (43%)

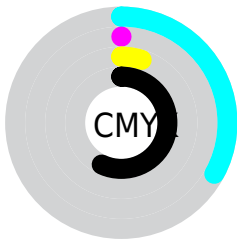
Blue (41%)



Red (29%)

Yellow (37%)

Blue (43%)

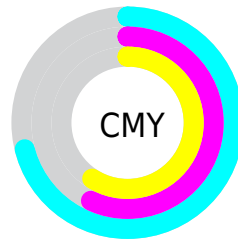


Cyan (33%)

Magenta (0%)

Yellow (5%)

Black (57%)



Cyan (71%)

Magenta (57%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.8987, 13.6072, 15.1487 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 10.8987, 13.6072, 15.1487 by changing the saturation by 10% instead.

■ 10.8987, 13.6072,
15.1487

■ 10.8987, 13.6072,
15.1487

190.8939,
214.7733, 235.9362

■ 6.0655, 7.8480,
8.7760

■ 27.1073, 32.3904,
35.8598

■ 2.9260, 3.9978,
4.5006

■ 39.2135, 46.1832,
51.0354

■ 1.1148, 1.6723,
1.9038

■ 54.4747, 63.4226,
69.9823

■ 0.0374, 0.4057,
0.4951

■ 73.2563, 84.4931,
93.1191

■ 0.0000, 0.0000,
0.0000

■ 95.9237, 109.7790,
120.8643

122.8422,

139.6648, 153.6366

154.3771,
174.5347, 191.8544

■ 10.8987, 13.6072,
15.1487

■ 10.8987, 13.6072,
15.1487

■ 10.0327, 13.1718,
14.6274

■ 11.9156, 14.1209,
15.6882

■ 9.3088, 12.8090,
14.1231

■ 13.0894, 14.7149,
16.2454

■ 8.7189, 12.5151,
13.6354

■ 14.4273, 15.3933,
16.8209

■ 8.2537, 12.2852,
13.1639

■ 15.9356, 16.1592,
17.4152

■ 7.9027, 12.1140,
12.7081

■ 17.6201, 17.0158,
18.0286

■ 7.6520, 11.9942,
12.2672

■ 19.4867, 17.9660,
18.6615

■ 7.4933, 11.9192,
11.9541

■ 21.5407, 19.0125,
19.3140

■ 23.7873, 20.1581,
19.9866

■ 26.2315, 21.4054,
20.6795

Harmonies

Analogous

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



11.1057, 13.6072, 12.1930



10.8987, 13.6072, 15.1487



11.2103, 13.6072, 18.4446

Triad

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



10.8987, 13.6072, 15.1487



14.1449, 13.6072, 20.6124



13.9339, 13.6072, 9.9671

Complementary

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



10.8987, 13.6072, 15.1487



10.3277, 8.7922, 8.7428

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.



14.8243, 13.6072, 11.6974



10.8987, 13.6072, 15.1487



14.9510, 13.6072, 17.7904

Square

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



10.8987, 13.6072, 15.1487



13.0489, 13.6072, 21.8719



15.2064, 13.6072, 14.4881



12.8182, 13.6072, 9.4686

Rectangle

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



10.8987, 13.6072, 15.1487



11.6813, 13.6072, 20.3164



15.2064, 13.6072, 14.4881



14.2716, 13.6072, 10.4103

Sweetspot

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



10.8991, 13.6078, 15.1490



23.5376, 26.1204, 28.7746



10.1716, 13.3786, 8.5251



5.4225, 6.0506, 6.6717



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



10.8991, 13.6078, 15.1490



18.0024, 23.3241, 25.9308



10.0630, 11.4302, 16.4284



3.4523, 3.8061, 4.1879



8.9924, 14.3145, 14.3127



44.5225, 71.1976, 69.8618

Inverse Universe

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



10.3277, 8.7922, 8.7428



16.8395, 13.5075, 12.8809



10.9470, 10.3701, 7.9036



3.4051, 3.4098, 3.6600



7.8510, 4.0328, 1.0255



38.8857, 19.9996, 3.9302

Previews

White Background



This preview shows how the XYZ color 10.8987, 13.6072, 15.1487 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 10.8987, 13.6072, 15.1487 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 10.8987, 13.6072, 15.1487

Background



This preview shows how black text looks on a background with the XYZ color 10.8987, 13.6072, 15.1487.



This preview shows how white text looks on a background with the XYZ color 10.8987, 13.6072,

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

10.8987, 13.6072, 15.1487

Protanopia

12.8773, 13.4261, 13.9694

Deuteranopia

13.7142, 13.5345, 15.5253



Tritanopia

11.6340, 13.5873, 18.8390

Trichromacy



Original Color

10.8987, 13.6072, 15.1487

Protanomaly

12.0166, 13.4224, 14.2694

Deuteranomaly

12.5371, 13.5172, 15.3129

Tritanomaly

11.3738, 13.6436, 17.3633

Monochromacy



Original Color

10.8987, 13.6072, 15.1487

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.4157, 12.8137, 14.1835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8987, 13.6072, 15.1487 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(74, 110, 104)` looks like.

```
.text, #text, p{  
    color:rgb(74, 110, 104)  
}
```

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(74, 110, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 110, 104) }
```

Border

The CSS property to change the border of an element to XYZ 10.8987, 13.6072, 15.1487 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(74, 110, 104) }
```


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

```
.border{ border-color:rgb(74, 110, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 110, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 110, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 110, 104);  
box-shadow:4px 4px 4px 4px rgb(74, 110,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 10.8987, 13.6072, 15.1487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 110, 104) }
```

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

```
.background{ background-color: rgb(74, 110,  
104) }
```

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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