

Converting Colors

XYZ(12.5137, 13.4161, 15.6672)

Have a look what the booklet for
XYZ(12.5137, 13.4161, 15.6672)
contains.

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Color

**XYZ(12.4888, 13.3378,
15.5519)**

Conversions

Conversions Part 1

Format	Color
Hex	62676A
RGB	98, 103, 106
RGB Percent	38%, 40%, 42%
CMY	0.6157, 0.5961, 0.5843
CMYK	0.08, 0.03, 0.00, 0.58
HSL	202°, 4%, 40%
HSV	202°, 8%, 42%
XYZ	12.4888, 13.3378, 15.5519
YIQ	101.8470, -3.9430, -0.1270

Conversions

Conversions Part 2

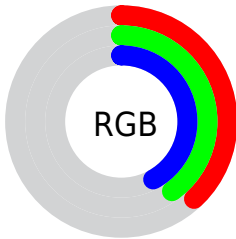
Format	Color
R_{YB}	98, 101, 106
Decimal	6449002
CIE _{Lab}	43.27, -1.27, -2.36
CIE _{LCh}	43, 2.680, 241.675
Yxy	13.3378, 0.3018, 0.3223
Android (android.graphics.Color)	4284639082 (0xFF62676A)
YUV	101.8470, 2.0474, -3.3738
Hunter-Lab	36.5210, -2.8713, 0.3169

Details

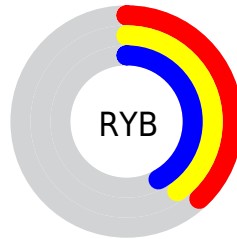
The XYZ color **12.4888, 13.3378, 15.5519** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.8022, 13.2533, 13.4389**, and the grayscale version is **12.5853, 13.2407, 14.4191**.

A 20% lighter version of the original color is **30.0358, 31.9351, 36.4793**, and **3.6198, 3.8742, 4.6947** is the 20% darker color. If you saturate the color by 10%, you get **11.0342, 12.0155, 15.3735**, and if you desaturate by 10%, it is **14.1144, 14.7769, 15.7442**.

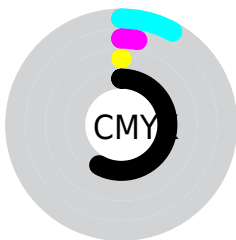
Distribution



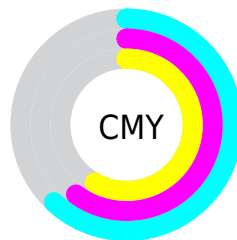
- Red (38%)
- Green (40%)
- Blue (42%)



- Red (38%)
- Yellow (40%)
- Blue (42%)



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)
- Black (58%)



- Cyan (62%)
- Magenta (60%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4888, 13.3378, 15.5519 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 12.4888, 13.3378, 15.5519 by changing the saturation by 10% instead.

■ 12.4888, 13.3378,
15.5519

■ 12.4888, 13.3378,
15.5519

201.3195,
213.0714, 238.4376

■ 7.1520, 7.6616,
9.0567

■ 29.9915, 31.9093,
36.5744

■ 3.6045, 3.8792,
4.6809

■ 42.8881, 45.5734,
51.9388

■ 1.4809, 1.6062,
2.0058

■ 59.0354, 62.6689,
71.0967

■ 0.3128, 0.3618,
0.5589

■ 78.7987, 83.5802,
94.4667

■ 0.0000, 0.0000,
0.0000

102.5435,
108.6917, 122.4672

130.6349,

138.3878, 155.5168

163.4385,
173.0529, 194.0341

■ 12.4888, 13.3378,
15.5519

■ 12.4888, 13.3378,
15.5519

■ 11.0342, 12.0155,
15.3735

■ 14.1144, 14.7769,
15.7442

■ 9.7434, 10.8048,
15.2079

■ 15.9157, 16.3344,
15.9499

■ 8.6102, 9.7024,
15.0548

■ 17.8988, 18.0142,
16.1696

■ 7.6274, 8.7044,
14.9140

■ 20.0687, 19.8194,
16.4037

■ 6.7876, 7.8063,
14.7849

■ 22.4308, 21.7529,
16.6524

■ 6.0825, 7.0035,
14.6671

■ 24.9897, 23.8176,
16.9160

■ 5.5027, 6.2908,
14.5601

■ 27.7502, 26.0163,
17.1949

■ 5.0378, 5.6623,
14.4633

■ 30.7169, 28.3516,
17.4893

■ 4.6560, 5.1012,
14.3751

■ 33.8940, 30.8261,
17.7995

Harmonies

Analogous

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



12.3406, 13.3378, 15.1309



12.4888, 13.3378, 15.5519



12.6888, 13.3378, 15.6950

Triad

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



12.4888, 13.3378, 15.5519



13.0802, 13.3378, 14.4892



12.4688, 13.3378, 13.5716

Complementary

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



12.4888, 13.3378, 15.5519



12.8022, 13.2533, 13.4389

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.



12.6655, 13.3378, 13.4100



12.4888, 13.3378, 15.5519



13.0198, 13.3378, 13.9308

Square

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



12.4888, 13.3378, 15.5519



13.0317, 13.3378, 15.0716



12.8674, 13.3378, 13.5397



12.3292, 13.3378, 13.9871

Rectangle

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



12.4888, 13.3378, 15.5519



12.8251, 13.3378, 15.6106



12.8674, 13.3378, 13.5397



12.5304, 13.3378, 13.4863

Sweetspot

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



12.4892, 13.3384, 15.5522



23.4472, 24.7697, 27.4763



12.5370, 13.8433, 14.3063



5.5042, 5.8126, 6.4377



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.



12.4892, 13.3384, 15.5522



21.4632, 22.9996, 27.2392



12.1069, 12.5739, 15.4248



3.0912, 3.3106, 3.9110



5.6333, 6.1009, 17.8029



27.8506, 29.3797, 90.4292

Inverse Universe

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



12.7600, 12.7791, 14.6267



22.0417, 21.8178, 25.2598



13.1935, 14.0358, 13.5694



3.1718, 3.1456, 3.6351



8.5903, 4.2882, 6.7371



43.3405, 21.6781, 32.0593

Previews

White Background



This preview shows how the XYZ color 12.4888, 13.3378, 15.5519 looks on a white background.

Color Contrast Check

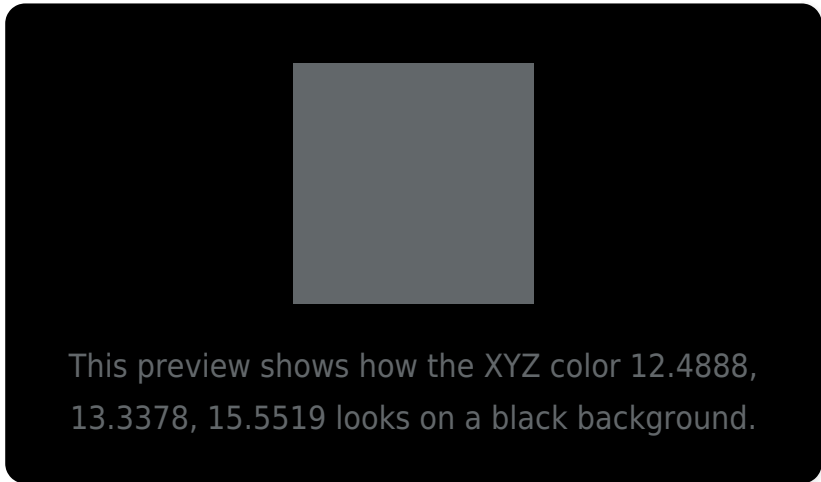
Large Text (above 18pt) WCAG AA ✓ Pass

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

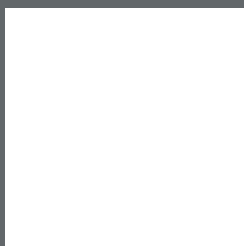
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4888, 13.3378, 15.5519

Background



This preview shows how black text looks on a background with the XYZ color 12.4888, 13.3378, 15.5519.



This preview shows how white text looks on a background with the XYZ color 12.4888, 13.3378,

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

12.4888, 13.3378, 15.5519

Protanopia

12.8947, 13.4062, 15.2726

Deuteranopia

13.5461, 13.3002, 15.7632



Tritanopia

12.7114, 13.2812, 16.6454

Trichromacy

**Original Color**

12.4888, 13.3378, 15.5519

Protanomaly

12.6680, 13.2894, 15.2620

Deuteranomaly

13.1549, 13.2401, 15.7722

Tritanomaly

12.6573, 13.2595, 16.3602

Monochromacy

**Original Color**

12.4888, 13.3378, 15.5519

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.5664, 13.2487, 14.7269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4888, 13.3378, 15.5519 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(98, 103, 106) looks like.

```
.text, #text, p{  
    color:rgb(98, 103, 106)  
}
```

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(98, 103, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 103, 106) }
```

Border

The CSS property to change the border of an element to XYZ 12.4888, 13.3378, 15.5519 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(98, 103, 106) }
```


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

```
.border{ border-color:rgb(98, 103, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 103, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 103, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 103, 106);  
box-shadow:4px 4px 4px 4px rgb(98, 103,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4888, 13.3378, 15.5519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 103, 106) }
```

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

```
.background{ background-color: rgb(98, 103,  
106) }
```

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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