

Converting Colors

XYZ(10.6029, 12.7391, 13.3971)

Have a look what the booklet for
XYZ(10.6029, 12.7391, 13.3971)
contains.

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Color

**XYZ(10.5644, 12.6905,
13.4480)**

Conversions

Conversions Part 1

Format	Color
Hex	506962
RGB	80, 105, 98
RGB Percent	31%, 41%, 38%
CMY	0.6863, 0.5882, 0.6157
CMYK	0.24, 0.00, 0.07, 0.59
HSL	163°, 14%, 36%
HSV	163°, 24%, 41%
XYZ	10.5644, 12.6905, 13.4480
YIQ	96.7270, -12.6530, -7.4770

Conversions

Conversions Part 2

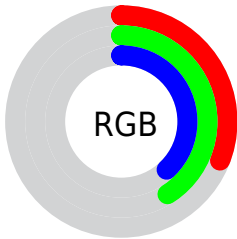
Format	Color
R_{YB}	80, 95, 105
Decimal	5269858
CIE _{Lab}	42.29, -10.86, 0.90
CIE _{LCh}	42, 10.899, 175.238
Yxy	12.6905, 0.2878, 0.3458
Android (android.graphics.Color)	4283459938 (0xFF506962)
YUV	96.7270, 0.6276, -14.6696
Hunter-Lab	35.6237, -9.4064, 2.5546

Details

The XYZ color **10.5644, 12.6905, 13.4480** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.4150, 9.4289, 10.2882**, and the grayscale version is **11.2963, 11.8846, 12.9424**.

A 20% lighter version of the original color is **26.5192, 30.6927, 32.9603**, and **2.7926, 3.6141, 3.7992** is the 20% darker color. If you saturate the color by 10%, you get **9.6100, 12.2146, 12.6920**, and if you desaturate by 10%, it is **11.6632, 13.2410, 14.2379**.

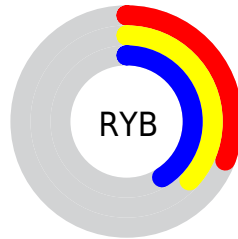
Distribution



Red (31%)

Green (41%)

Blue (38%)



Red (31%)

Yellow (37%)

Blue (41%)

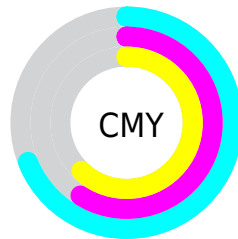


Cyan (24%)

Magenta (0%)

Yellow (7%)

Black (59%)



Cyan (69%)

Magenta (59%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.5644, 12.6905, 13.4480 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 10.5644, 12.6905, 13.4480 by changing the saturation by 10% instead.

■ 10.5644, 12.6905,
13.4480

■ 10.5644, 12.6905,
13.4480

188.6249,
208.9245, 225.0770

■ 5.8399, 7.2158,
7.6034

■ 26.4920, 30.7466,
32.8092

■ 2.7877, 3.5974,
3.7581

■ 38.4257, 44.0968,
47.1630

■ 1.0425, 1.4510,
1.4936

■ 53.4932, 60.8409,
65.1901

■ 0.0000, 0.2539,
0.2132

■ 72.0598, 81.3634,
87.3093

■ 0.0000, 0.0000,
0.0000

■ 94.4910, 106.0486,
113.9391

121.1520,

135.2809, 145.4979

152.4081,
169.4447, 182.4044

■ 10.5644, 12.6905,
13.4480

■ 10.5644, 12.6905,
13.4480

■ 9.6100, 12.2146,
12.6920

■ 11.6632, 13.2410,
14.2379

■ 8.7925, 11.8083,
11.9685

■ 12.9114, 13.8675,
15.0615

■ 8.1052, 11.4686,
11.2772

■ 14.3151, 14.5736,
15.9195

■ 7.5405, 11.1915,
10.6174

■ 15.8796, 15.3620,
16.8125

■ 7.0900, 10.9727,
9.9884

■ 17.6101, 16.2353,
17.7410

■ 6.7442, 10.8073,
9.3895

■ 19.5115, 17.1962,
18.7054

■ 6.4875, 10.6874,
8.8196

■ 21.5885, 18.2469,
19.7064

■ 6.3424, 10.6199,
8.4799

■ 23.8456, 19.3898,
20.7442

■ 26.2872, 20.6272,
21.8194

Harmonies

Analogous

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



10.8179, 12.6905, 11.4100



10.5644, 12.6905, 13.4480



10.6972, 12.6905, 15.8245

Triad

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



10.5644, 12.6905, 13.4480



12.7436, 12.6905, 18.2958



12.9792, 12.6905, 10.4441

Complementary

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



10.5644, 12.6905, 13.4480



10.4150, 9.4289, 10.2882

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.



13.5381, 12.6905, 11.9884



10.5644, 12.6905, 13.4480



13.3979, 12.6905, 16.5425

Square

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



10.5644, 12.6905, 13.4480



11.9321, 12.6905, 18.7990



13.6947, 12.6905, 14.1943



12.1927, 12.6905, 9.8048

Rectangle

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



10.5644, 12.6905, 13.4480



10.9901, 12.6905, 17.2617



13.6947, 12.6905, 14.1943



13.2013, 12.6905, 10.8655

Sweetspot

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



10.5648, 12.6910, 13.4483



22.3300, 24.4342, 26.4613



10.4382, 12.7132, 9.4932



5.2131, 5.7148, 6.1870



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.



10.5648, 12.6910, 13.4483



17.8568, 22.1945, 23.2569



10.3757, 11.7605, 15.0885



3.1474, 3.4782, 3.7602



8.0143, 13.4398, 10.6522



40.4528, 68.3282, 52.2586

Inverse Universe

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



10.4150, 9.4289, 10.2882



17.5352, 15.1726, 16.4583



10.5554, 10.1455, 8.9914



3.1314, 3.1294, 3.4222



7.6489, 3.9117, 1.7797



38.6468, 19.8007, 7.3429

Previews

White Background



This preview shows how the XYZ color 10.5644, 12.6905, 13.4480 looks on a white background.

Color Contrast Check

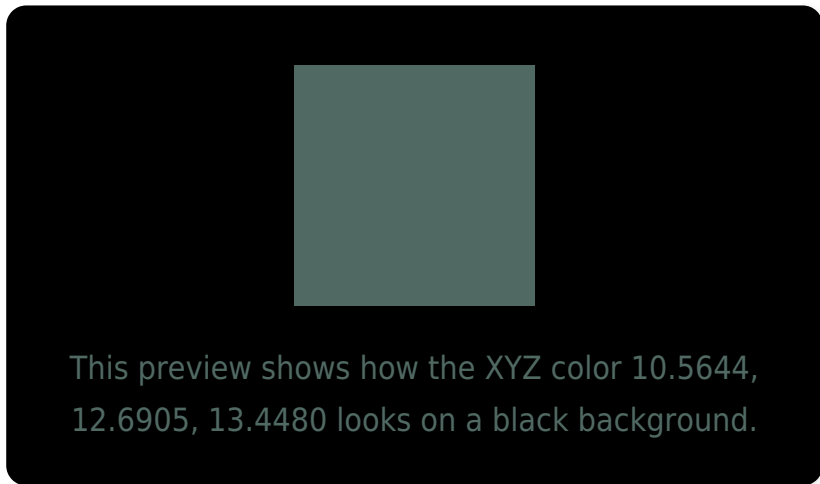
Large Text (above 18pt) WCAG AA ✓ Pass

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

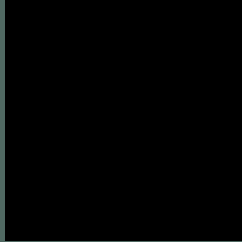
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.5644, 12.6905, 13.4480

Background



This preview shows how black text looks on a background with the XYZ color 10.5644, 12.6905, 13.4480.



This preview shows how white text looks on a background with the XYZ color 10.5644, 12.6905,

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

10.5644, 12.6905, 13.4480

Protanopia

12.0069, 12.5747, 12.6208

Deuteranopia

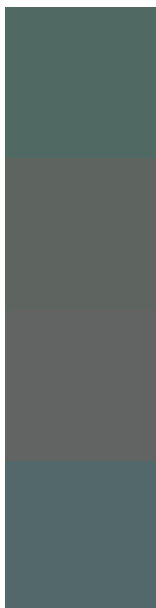
12.7898, 12.5371, 13.8024



Tritanopia

11.2868, 12.6872, 16.8929

Trichromacy



Original Color

10.5644, 12.6905, 13.4480

Protanomaly

11.3811, 12.5316, 12.8853

Deuteranomaly

11.7510, 12.4212, 13.5826

Tritanomaly

11.0315, 12.7351, 15.5124

Monochromacy



Original Color

10.5644, 12.6905, 13.4480

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.0292, 12.2016, 13.0831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.5644, 12.6905, 13.4480 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(80, 105, 98) looks like.

```
.text, #text, p{  
    color:rgb(80, 105, 98)  
}
```

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(80, 105, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 105, 98) }
```

Border

The CSS property to change the border of an element to XYZ 10.5644, 12.6905, 13.4480 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(80, 105, 98) }
```


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

```
.border{ border-color:rgb(80, 105, 98) }
```

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

Here you see how a box with a 4 pixel rgb(80, 105, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 105, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 105, 98);  
box-shadow:4px 4px 4px 4px rgb(80, 105,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 10.5644, 12.6905, 13.4480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 105, 98) }
```

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

```
.background{ background-color: rgb(80, 105,  
98) }
```

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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