

Converting Colors

XYZ(10.1846, 13.6503, 12.7447)

Have a look what the booklet for
XYZ(10.1846, 13.6503, 12.7447)
contains.

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Color

**XYZ(10.1293, 13.5898,
12.6789)**

Conversions

Conversions Part 1

Format	Color
Hex	43705E
RGB	67, 112, 94
RGB Percent	26%, 44%, 37%
CMY	0.7372, 0.5608, 0.6314
CMYK	0.40, 0.00, 0.16, 0.56
HSL	156°, 25%, 35%
HSV	156°, 40%, 44%
XYZ	10.1293, 13.5898, 12.6789
YIQ	96.4930, -21.0420, -15.1380

Conversions

Conversions Part 2

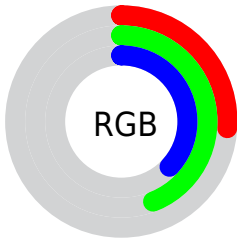
Format	Color
R_{YB}	67, 95, 112
Decimal	4419678
CIE _{Lab}	43.64, -20.01, 5.16
CIE _{LCh}	44, 20.663, 165.536
Yxy	13.5898, 0.2783, 0.3734
Android (android.graphics.Color)	4282609758 (0xFF43705E)
YUV	96.4930, -1.2290, -25.8654
Hunter-Lab	36.8643, -15.4658, 5.4132

Details

The XYZ color **10.1293, 13.5898, 12.6789** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.3294, 8.1153, 9.6169**, and the grayscale version is **11.2450, 11.8307, 12.8836**.

A 20% lighter version of the original color is **25.6456, 32.3464, 31.2774**, and **2.6164, 4.0088, 3.4322** is the 20% darker color. If you saturate the color by 10%, you get **9.2393, 13.1539, 11.6182**, and if you desaturate by 10%, it is **11.1803, 14.1080, 13.8086**.

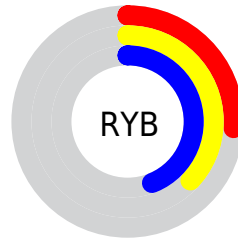
Distribution



Red (26%)

Green (44%)

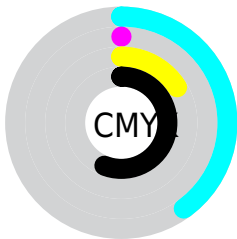
Blue (37%)



Red (26%)

Yellow (37%)

Blue (44%)

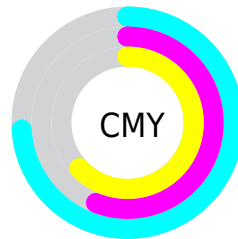


Cyan (40%)

Magenta (0%)

Yellow (16%)

Black (56%)



Cyan (74%)

Magenta (56%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1293, 13.5898, 12.6789 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 10.1293, 13.5898, 12.6789 by changing the saturation by 10% instead.

■ 10.1293, 13.5898,
12.6789

■ 10.1293, 13.5898,
12.6789

185.6268,
214.6638, 219.9845

■ 5.5477, 7.8359,
7.0797

■ 25.6859, 32.3594,
31.4084

■ 2.6101, 3.9901,
3.4328

■ 37.3916, 46.1439,
45.3757

■ 0.9511, 1.6680,
1.3196

■ 52.2027, 63.3741,
62.9695

■ 0.0000, 0.4028,
0.0778

■ 70.4846, 84.4343,
84.6084

■ 0.0000, 0.0000,
0.0000

■ 92.6026, 109.7090,
110.7107

118.9220,

139.5826, 141.6952

149.8083,
174.4394, 177.9802

■ 10.1293, 13.5898,
12.6789

■ 10.1293, 13.5898,
12.6789

■ 9.2393, 13.1539,
11.6182

■ 11.1803, 14.1080,
13.8086

■ 8.5004, 12.7942,
10.6242

■ 12.3992, 14.7111,
15.0079

■ 7.9033, 12.5063,
9.6958


■ 13.7940, 15.4035,
16.2783


■ 7.4370, 12.2846,
8.8312


■ 15.3717, 16.1888,
17.6211


■ 7.0891, 12.1227,
8.0289


■ 17.1390, 17.0703,
19.0376

 6.8135, 11.9965,
7.2980

 19.1023, 18.0515,
20.5290

 21.2675, 19.1352,
22.0965

 23.6405, 20.3246,
23.7411

 26.2267, 21.6224,
25.4641

Harmonies

Analogous

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



10.8188, 13.5898, 9.3868



10.1293, 13.5898, 12.6789



10.1421, 13.5898, 17.3172

Triad

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



10.1293, 13.5898, 12.6789



13.7691, 13.5898, 25.1629



15.2236, 13.5898, 9.2999

Complementary

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



10.1293, 13.5898, 12.6789



10.3294, 8.1153, 9.6169

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.



16.1561, 13.5898, 12.5339



10.1293, 13.5898, 12.6789



15.2697, 13.5898, 21.9662

Square

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



10.1293, 13.5898, 12.6789



12.1542, 13.5898, 25.2245



16.1736, 13.5898, 17.1387



13.7104, 13.5898, 7.7310

Rectangle

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



10.1293, 13.5898, 12.6789



10.5442, 13.5898, 20.6109



16.1736, 13.5898, 17.1387



15.6207, 13.5898, 10.1942

Sweetspot

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



10.1297, 13.5904, 12.6792



23.6817, 26.7858, 28.1085



10.6225, 13.9608, 7.4452



5.6331, 6.4072, 6.7025



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



10.1297, 13.5904, 12.6792



16.3633, 23.1721, 20.5762



10.6288, 13.1416, 17.3063



3.4212, 3.7937, 4.0242



7.8651, 13.8636, 8.3765



38.7453, 68.8868, 39.4396

Inverse Universe

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



10.3294, 8.1153, 9.6169



16.7675, 12.1522, 14.4233



9.9330, 8.3251, 6.3938



3.4346, 3.4216, 3.8156



8.2573, 4.1953, 3.1647



40.7308, 20.7377, 13.6467

Previews

White Background



This preview shows how the XYZ color 10.1293, 13.5898, 12.6789 looks on a white background.

Color Contrast Check

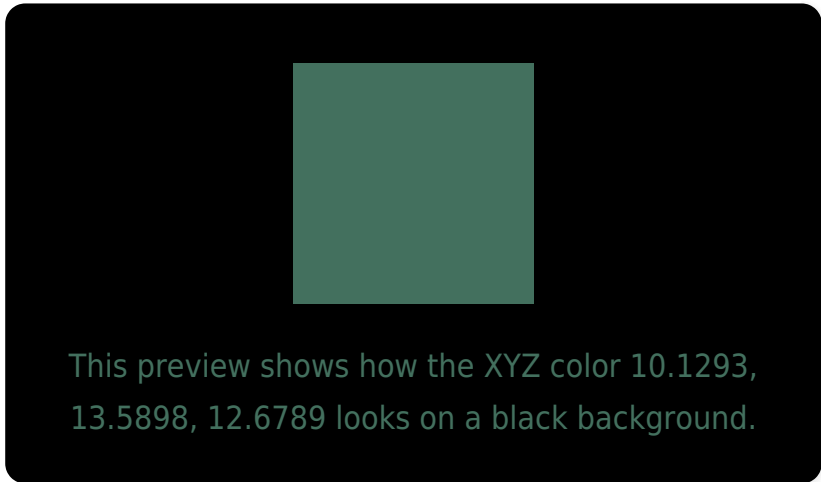
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.1293, 13.5898, 12.6789

Background



This preview shows how black text looks on a background with the XYZ color 10.1293, 13.5898, 12.6789.



This preview shows how white text looks on a background with the XYZ color 10.1293, 13.5898,

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

10.1293, 13.5898, 12.6789

Protanopia

12.7389, 13.4122, 11.3686

Deuteranopia

13.6897, 13.4316, 13.1803



Tritanopia

11.4272, 13.6381, 18.8598

Trichromacy



Original Color

10.1293, 13.5898, 12.6789

Protanomaly

11.5566, 13.3906, 11.8731

Deuteranomaly

12.0986, 13.3418, 13.0039

Tritanomaly

10.9348, 13.5956, 16.5159

Monochromacy



Original Color

10.1293, 13.5898, 12.6789

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.5632, 12.2603, 12.6362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1293, 13.5898, 12.6789 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(67, 112, 94)` looks like.

```
.text, #text, p{  
    color:rgb(67, 112, 94)  
}
```

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(67, 112, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 112, 94) }
```

Border

The CSS property to change the border of an element to XYZ 10.1293, 13.5898, 12.6789 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(67, 112, 94) }
```


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

```
.border{ border-color:rgb(67, 112, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 112, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 112, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 112, 94);  
box-shadow:4px 4px 4px 4px rgb(67, 112,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1293, 13.5898, 12.6789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 112, 94) }
```

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

```
.background{ background-color: rgb(67, 112,  
94) }
```

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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