

Converting Colors

XYZ(10.5170, 13.1316, 13.3731)

Have a look what the booklet for
XYZ(10.5170, 13.1316, 13.3731)
contains.

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Color

**XYZ(10.5007, 13.1247,
13.2891)**

Conversions

Conversions Part 1

Format	Color
Hex	4C6C61
RGB	76, 108, 97
RGB Percent	30%, 42%, 38%
CMY	0.7020, 0.5765, 0.6196
CMYK	0.30, 0.00, 0.10, 0.58
HSL	159°, 17%, 36%
HSV	159°, 30%, 42%
XYZ	10.5007, 13.1247, 13.2891
YIQ	97.1780, -15.5410, -10.2050

Conversions

Conversions Part 2

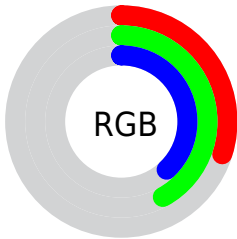
Format	Color
R_{YB}	76, 95, 108
Decimal	5008481
CIE Lab	42.95, -14.18, 2.43
CIE LCh	43, 14.386, 170.267
Yxy	13.1247, 0.2845, 0.3555
Android (android.graphics.Color)	4283198561 (0xFF4C6C61)
YUV	97.1780, -0.0878, -18.5731
Hunter-Lab	36.2280, -11.6608, 3.6110

Details

The XYZ color **10.5007, 13.1247, 13.2891** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.4895, 9.0454, 10.2104**, and the grayscale version is **11.4093, 12.0034, 13.0717**.

A 20% lighter version of the original color is **26.5203, 31.7153, 32.7409**, and **2.7488, 3.7468, 3.7103** is the 20% darker color. If you saturate the color by 10%, you get **9.5446, 12.6517, 12.3618**, and if you desaturate by 10%, it is **11.6097, 13.6763, 14.2664**.

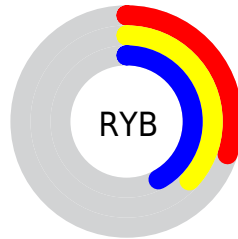
Distribution



Red (30%)

Green (42%)

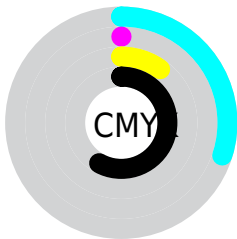
Blue (38%)



Red (30%)

Yellow (37%)

Blue (42%)

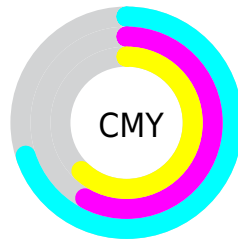


Cyan (30%)

Magenta (0%)

Yellow (10%)

Black (58%)



Cyan (70%)

Magenta (58%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.5007, 13.1247, 13.2891 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 10.5007, 13.1247, 13.2891 by changing the saturation by 10% instead.

■ 10.5007, 13.1247,
13.2891

■ 10.5007, 13.1247,
13.2891

188.1892,
211.7153, 224.0348

■ 5.7970, 7.5145,
7.4949

■ 26.3743, 31.5276,
32.5210

■ 2.7615, 3.7859,
3.6904

■ 38.2749, 45.0891,
46.7957

■ 1.0289, 1.5545,
1.4571

■ 53.3052, 62.0698,
64.7343

■ 0.0000, 0.3266,
0.1856

■ 71.8305, 82.8541,
86.7553

■ 0.0000, 0.0000,
0.0000

■ 94.2162, 107.8264,
113.2774

120.8277,

137.3711, 144.7189

152.0302,
171.8726, 181.4985

■ 10.5007, 13.1247,
13.2891

■ 10.5007, 13.1247,
13.2891

■ 9.5446, 12.6517,
12.3618

■ 11.6097, 13.6763,
14.2664

■ 8.7331, 12.2520,
11.4828

■ 12.8773, 14.3083,
15.2937

■ 8.0586, 11.9219,
10.6514

■ 14.3103, 15.0247,
16.3722

■ 7.5123, 11.6571,
9.8665

■ 15.9147, 15.8284,
17.5026

■ 7.0845, 11.4525,
9.1271

■ 17.6962, 16.7225,
18.6859

■ 6.7640, 11.3024,
8.4321

■ 19.6602, 17.7096,
19.9227

■ 6.5055, 11.1833,
7.7786

■ 21.8120, 18.7926,
21.2138

■ 6.4961, 11.1789,
7.7552

■ 24.1566, 19.9739,
22.5600

■ 26.6986, 21.2560,
23.9619

Harmonies

Analogous

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



10.9151, 13.1247, 10.7522



10.5007, 13.1247, 13.2891



10.5907, 13.1247, 16.4973

Triad

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



10.5007, 13.1247, 13.2891



13.2231, 13.1247, 20.7722



13.8786, 13.1247, 10.1135

Complementary

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



10.5007, 13.1247, 13.2891



10.4895, 9.0454, 10.2104

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.



14.5697, 13.1247, 12.2900



10.5007, 13.1247, 13.2891



14.1760, 13.1247, 18.5308

Square

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



10.5007, 13.1247, 13.2891



12.1199, 13.1247, 21.1444



14.6816, 13.1247, 15.3411



12.8363, 13.1247, 9.1054

Rectangle

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



10.5007, 13.1247, 13.2891



10.9268, 13.1247, 18.5824



14.6816, 13.1247, 15.3411



14.1622, 13.1247, 10.7163

Sweetspot

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



10.5011, 13.1252, 13.2894



22.6984, 25.1647, 26.9202



10.6167, 13.2834, 8.8420



5.4286, 6.0583, 6.4648



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.



10.5011, 13.1252, 13.2894



17.1762, 22.4183, 22.1255



10.5578, 12.3601, 16.0173



3.1398, 3.4751, 3.7198



7.7349, 13.3281, 9.1813



38.9934, 67.7444, 44.5735

Inverse Universe

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



10.4895, 9.0454, 10.2104



17.1534, 13.9331, 15.7277



10.4168, 9.5654, 8.1349



3.1387, 3.1324, 3.4609



7.7651, 3.9582, 2.3914



39.1929, 20.0191, 10.2185

Previews

White Background



This preview shows how the XYZ color 10.5007, 13.1247, 13.2891 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 10.5007, 13.1247, 13.2891 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 10.5007, 13.1247, 13.2891

Background



This preview shows how black text looks on a background with the XYZ color 10.5007, 13.1247, 13.2891.



This preview shows how white text looks on a background with the XYZ color 10.5007, 13.1247,

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

10.5007, 13.1247, 13.2891

Protanopia

12.4552, 13.1009, 12.2282

Deuteranopia

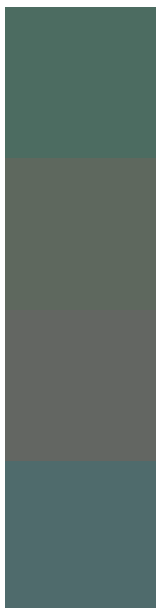
13.3019, 13.0810, 13.6282



Tritanopia

11.4996, 13.2284, 17.8668

Trichromacy



Original Color

10.5007, 13.1247, 13.2891

Protanomaly

11.5868, 13.0885, 12.5053

Deuteranomaly

12.1016, 13.0372, 13.4339

Tritanomaly

11.1889, 13.2604, 16.1571

Monochromacy



Original Color

10.5007, 13.1247, 13.2891

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.9312, 12.2943, 13.1062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.5007, 13.1247, 13.2891 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(76, 108, 97)` looks like.

```
.text, #text, p{  
    color:rgb(76, 108, 97)  
}
```

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(76, 108, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 108, 97) }
```

Border

The CSS property to change the border of an element to XYZ 10.5007, 13.1247, 13.2891 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(76, 108, 97) }
```


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

```
.border{ border-color:rgb(76, 108, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 108, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 108, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 108, 97);  
box-shadow:4px 4px 4px 4px rgb(76, 108,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 10.5007, 13.1247, 13.2891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 108, 97) }
```

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

```
.background{ background-color: rgb(76, 108,  
97) }
```

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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