

Converting Colors

XYZ(10.0280, 11.9623, 13.6062)

Have a look what the booklet for
XYZ(10.0280, 11.9623, 13.6062)
contains.

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Color

**XYZ(10.0641, 11.9814,
13.5866)**

Conversions

Conversions Part 1

Format	Color
Hex	4D6663
RGB	77, 102, 99
RGB Percent	30%, 40%, 39%
CMY	0.6980, 0.6000, 0.6118
CMYK	0.25, 0.00, 0.03, 0.60
HSL	173°, 14%, 35%
HSV	173°, 25%, 40%
XYZ	10.0641, 11.9814, 13.5866
YIQ	94.1830, -13.9370, -6.2330

Conversions

Conversions Part 2

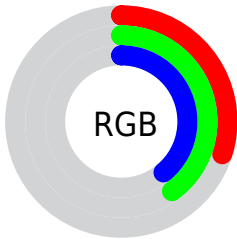
Format	Color
R_{YB}	77, 90, 102
Decimal	5072483
CIE Lab	41.19, -9.95, -1.34
CIE LCh	41, 10.038, 187.696
Yxy	11.9814, 0.2824, 0.3363
Android (android.graphics.Color)	4283262563 (0xFF4D6663)
YUV	94.1830, 2.3748, -15.0695
Hunter-Lab	34.6142, -8.6757, 0.9577

Details

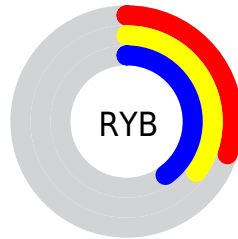
The XYZ color **10.0641, 11.9814, 13.5866** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.5818, 8.7121, 8.7666**, and the grayscale version is **10.6798, 11.2360, 12.2360**.

A 20% lighter version of the original color is **25.6487, 29.4965, 33.1957**, and **2.5739, 3.2807, 3.8657** is the 20% darker color. If you saturate the color by 10%, you get **9.2468, 11.5671, 13.2453**, and if you desaturate by 10%, it is **11.0121, 12.4636, 13.9392**.

Distribution



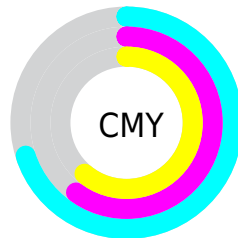
- Red (30%)
- Green (40%)
- Blue (39%)



- Red (30%)
- Yellow (35%)
- Blue (40%)



- Cyan (25%)
- Magenta (0%)
- Yellow (3%)
- Black (60%)



- Cyan (70%)
- Magenta (60%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0641, 11.9814, 13.5866 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 10.0641, 11.9814, 13.5866 by changing the saturation by 10% instead.

■ 10.0641, 11.9814,
13.5866

■ 10.0641, 11.9814,
13.5866

185.1730,
204.2821, 225.9819

■ 5.5041, 6.7310,
7.6983

■ 25.5646, 29.4612,
33.0602

■ 2.5837, 3.2945,
3.8175

■ 37.2357, 42.4595,
47.4825

■ 0.9377, 1.2873,
1.5258

■ 52.0080, 58.8091,
65.5866

■ 0.0000, 0.1314,
0.2370

■ 70.2467, 78.8945,
87.7909

■ 0.0000, 0.0000,
0.0000

■ 92.3172, 103.1001,
114.5141

118.5848,

131.8104, 146.1746

149.4150,
165.4095, 183.1911

■ 10.0641, 11.9814,
13.5866

■ 10.0641, 11.9814,
13.5866

■ 9.2468, 11.5671,
13.2453

■ 11.0121, 12.4636,
13.9392

■ 8.5531, 11.2161,
12.9141

■ 12.0954, 13.0151,
14.3025

■ 7.9769, 10.9256,
12.5930

■ 13.3195, 13.6392,
14.6771

■ 7.5112, 10.6919,
12.2817

■ 14.6896, 14.3383,
15.0632

■ 7.1480, 10.5110,
11.9797

■ 16.2102, 15.1150,
15.4611

■ 6.8785, 10.3782,
11.6866

■ 17.8861, 15.9716,
15.8709

■ 6.6855, 10.2848,
11.4017

■ 19.7214, 16.9104,
16.2930

■ 6.5867, 10.2372,
11.2475

■ 21.7205, 17.9334,
16.7276

■ 23.8873, 19.0427,
17.1747

Harmonies

Analogous

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



10.1487, 11.9814, 11.5912



10.0641, 11.9814, 13.5866



10.3222, 11.9814, 15.6370

Triad

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



10.0641, 11.9814, 13.5866



12.2601, 11.9814, 16.4594



11.9242, 11.9814, 9.6956

Complementary

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



10.0641, 11.9814, 13.5866



9.5818, 8.7121, 8.7666

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.



12.5247, 11.9814, 10.7578



10.0641, 11.9814, 13.5866



12.7243, 11.9814, 14.6171

Square

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



10.0641, 11.9814, 13.5866



11.5753, 11.9814, 17.4061



12.8231, 11.9814, 12.5194



11.2027, 11.9814, 9.4820

Rectangle

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



10.0641, 11.9814, 13.5866



10.6605, 11.9814, 16.7117



12.8231, 11.9814, 12.5194



12.1478, 11.9814, 9.9594

Sweetspot

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



10.0644, 11.9819, 13.5869



20.6766, 22.5521, 24.9089



9.4278, 11.7591, 8.7943



4.8635, 5.3129, 5.8715



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



10.0644, 11.9819, 13.5869



16.8591, 20.6112, 23.5062



9.3590, 10.3370, 14.0729



2.8902, 3.1798, 3.5231



8.4500, 13.1436, 14.3968



43.8581, 68.4658, 73.9658

Inverse Universe

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



9.5818, 8.7121, 8.7666



15.8663, 13.8818, 13.5881



10.1606, 10.0433, 8.4245



2.8416, 2.8513, 3.0386



7.1152, 3.6590, 0.7388



36.9266, 19.0106, 2.8909

Previews

White Background



This preview shows how the XYZ color 10.0641, 11.9814, 13.5866 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 10.0641, 11.9814, 13.5866 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

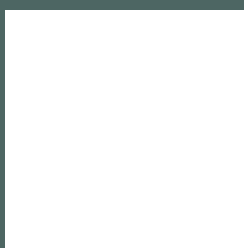
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.0641, 11.9814, 13.5866

Background



This preview shows how black text looks on a background with the XYZ color 10.0641, 11.9814, 13.5866.



This preview shows how white text looks on a background with the XYZ color 10.0641, 11.9814,

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

10.0641, 11.9814, 13.5866

Protanopia

11.4398, 11.8629, 12.7532

Deuteranopia

12.1774, 11.9483, 13.9763



Tritanopia

10.6384, 12.0738, 16.2378

Trichromacy



Original Color

10.0641, 11.9814, 13.5866

Protanomaly

10.8397, 11.8226, 13.0199

Deuteranomaly

11.2943, 11.9024, 13.7587

Tritanomaly

10.3454, 11.9470, 15.1253

Monochromacy



Original Color

10.0641, 11.9814, 13.5866

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.4105, 11.4686, 12.7313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0641, 11.9814, 13.5866 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(77, 102, 99)` looks like.

```
.text, #text, p{  
    color:rgb(77, 102, 99)  
}
```

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(77, 102, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 102, 99) }
```

Border

The CSS property to change the border of an element to XYZ 10.0641, 11.9814, 13.5866 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(77, 102, 99) }
```


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

```
.border{ border-color:rgb(77, 102, 99) }
```

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

Here you see how a box with a 4 pixel rgb(77, 102, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 102, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 102, 99);  
box-shadow:4px 4px 4px 4px rgb(77, 102,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 10.0641, 11.9814, 13.5866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 102, 99) }
```

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

```
.background{ background-color: rgb(77, 102,  
99) }
```

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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