

Converting Colors

XYZ(10.1725, 12.6447, 6.3904)

Have a look what the booklet for
XYZ(10.1725, 12.6447, 6.3904)
contains.

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Color

**XYZ(10.1375, 12.6246,
6.4599)**

Conversions

Conversions Part 1

Format	Color
Hex	5A693E
RGB	90, 105, 62
RGB Percent	35%, 41%, 24%
CMY	0.6471, 0.5882, 0.7569
CMYK	0.14, 0.00, 0.41, 0.59
HSL	81°, 26%, 33%
HSV	81°, 41%, 41%
XYZ	10.1375, 12.6246, 6.4599
YIQ	95.6130, 4.8630, -16.5530

Conversions

Conversions Part 2

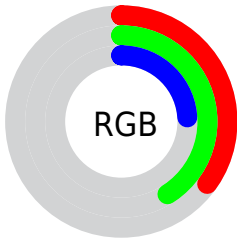
Format	Color
RYB	62, 105, 77
Decimal	5925182
CIELab	42.19, -13.71, 22.33
CIELCh	42, 26.199, 121.549
Yxy	12.6246, 0.3469, 0.4320
Android (android.graphics.Color)	4284115262 (0xFF5A693E)
YUV	95.6130, -16.5712, -4.9226
Hunter-Lab	35.5311, -11.2510, 14.0923

Details

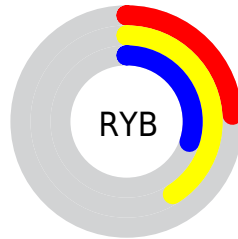
The XYZ color **10.1375, 12.6246, 6.4599** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.3335, 6.0433, 14.1453**, and the grayscale version is **11.0628, 11.6389, 12.6747**.

A 20% lighter version of the original color is **25.6874, 30.5654, 19.2977**, and **2.6185, 3.5834, 1.1259** is the 20% darker color. If you saturate the color by 10%, you get **9.5293, 12.3416, 5.0701**, and if you desaturate by 10%, it is **10.8196, 12.9401, 8.1444**.

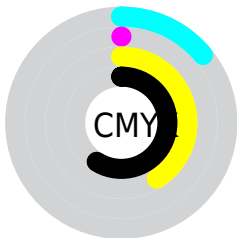
Distribution



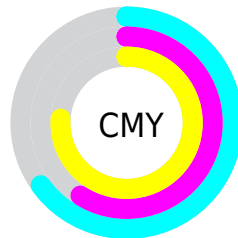
- Red (35%)
- Green (41%)
- Blue (24%)



- Red (24%)
- Yellow (41%)
- Blue (30%)



- Cyan (14%)
- Magenta (0%)
- Yellow (41%)
- Black (59%)



- Cyan (65%)
- Magenta (59%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1375, 12.6246, 6.4599 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 10.1375, 12.6246, 6.4599 by changing the saturation by 10% instead.

■ 10.1375, 12.6246,
6.4599

■ 10.1375, 12.6246,
6.4599

185.6838,
208.4976, 172.5542

■ 5.5532, 7.1706,
3.0534

■ 25.7011, 30.6277,
19.3722

■ 2.6134, 3.5690,
1.1220

■ 37.4112, 43.9455,
29.7150

■ 0.9528, 1.4355,
0.0000

■ 52.2272, 60.6534,
43.2070

■ 0.0000, 0.2427,
0.0000

■ 70.5145, 81.1358,
60.2668

■ 0.0000, 0.0000,
0.0000

■ 92.6384, 105.7770,
81.3129

■ 118.9644,

134.9614, 106.7638

149.8577,
169.0735, 137.0381

■ 10.1375, 12.6246,
6.4599

■ 10.1375, 12.6246,
6.4599

■ 9.5293, 12.3416,
5.0701

■ 10.8196, 12.9401,
8.1444

■ 8.9906, 12.0880,
3.9572

■ 11.5779, 13.2876,
10.1385

■ 8.5179, 11.8627,
3.1029

■ 12.4157, 13.6691,
12.4569

■ 8.1069, 11.6641,
2.4859

■ 13.3357, 14.0855,
15.1132

■ 7.7528, 11.4901,
2.0820

■ 14.3408, 14.5381,
18.1203

■ 7.4615, 11.3459,
1.7967

■ 15.4333, 15.0279,
21.4902

■ 16.6157, 15.5558,
25.2346

■ 17.8904, 16.1228,
29.3646

■ 19.2595, 16.7299,
33.8906

Harmonies

Analogous

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



11.8979, 12.6246, 5.5469



10.1375, 12.6246, 6.4599



8.9877, 12.6246, 9.2276

Triad

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



10.1375, 12.6246, 6.4599



10.2957, 12.6246, 25.5541



16.1641, 12.6246, 13.4570

Complementary

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



10.1375, 12.6246, 6.4599



7.3335, 6.0433, 14.1453

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.



15.6181, 12.6246, 19.5409



10.1375, 12.6246, 6.4599



12.1012, 12.6246, 27.5650

Square

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



10.1375, 12.6246, 6.4599



9.0718, 12.6246, 20.1853



14.0761, 12.6246, 25.1164



15.4973, 12.6246, 8.8464

Rectangle

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



10.1375, 12.6246, 6.4599



8.6511, 12.6246, 12.2235



14.0761, 12.6246, 25.1164



16.1160, 12.6246, 15.3901

Sweetspot

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



10.1378, 12.6252, 6.4602



22.0130, 24.3761, 21.6906



9.3031, 8.5664, 5.7207



5.1262, 5.6963, 4.9957



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.



10.1378, 12.6252, 6.4602



17.1183, 22.1242, 9.2001



8.3876, 11.7229, 6.3783



3.2357, 3.5333, 3.3289



9.4067, 14.3445, 2.2730



46.9678, 72.5949, 11.5368

Inverse Universe

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



7.3335, 6.0433, 14.1453



11.3624, 8.6025, 24.9926



9.2919, 7.0529, 14.2369



3.0388, 3.0717, 3.8676



4.1400, 1.7613, 17.0440



20.2344, 8.5308, 86.8063

Previews

White Background



This preview shows how the XYZ color 10.1375, 12.6246, 6.4599 looks on a white background.

Color Contrast Check

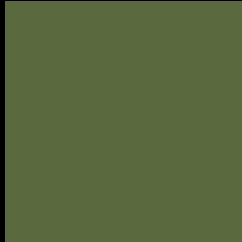
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.1375, 12.6246, 6.4599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

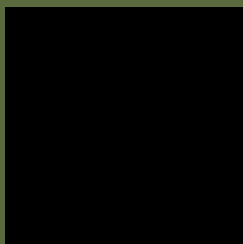
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

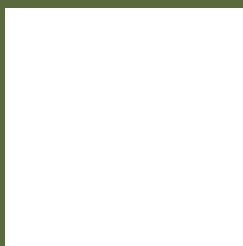
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.1375, 12.6246, 6.4599

Background



This preview shows how black text looks on a background with the XYZ color 10.1375, 12.6246, 6.4599.



This preview shows how white text looks on a background with the XYZ color 10.1375, 12.6246,

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

10.1375, 12.6246, 6.4599

Protanopia

11.5841, 12.5011, 6.0774

Deuteranopia

12.7634, 12.5477, 6.5997



Tritanopia

12.0878, 12.6838, 15.9985

Trichromacy



Original Color

10.1375, 12.6246, 6.4599

Protanomaly

10.9755, 12.4691, 6.2432

Deuteranomaly

11.6657, 12.5338, 6.5070

Tritanomaly

11.2558, 12.6378, 11.7436

Monochromacy



Original Color

10.1375, 12.6246, 6.4599

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.6782, 11.9435, 10.1300

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1375, 12.6246, 6.4599 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(90, 105, 62) looks like.

```
.text, #text, p{  
    color:rgb(90, 105, 62)  
}
```

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(90, 105, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 105, 62) }
```

Border

The CSS property to change the border of an element to XYZ 10.1375, 12.6246, 6.4599 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(90, 105, 62) }
```


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

```
.border{ border-color:rgb(90, 105, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 105, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 105, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 105, 62);  
box-shadow:4px 4px 4px 4px rgb(90, 105,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1375, 12.6246, 6.4599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 105, 62) }
```

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

```
.background{ background-color: rgb(90, 105,  
62) }
```

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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