

Converting Colors

XYZ(12.0696, 13.0572, 6.5077)

Have a look what the booklet for
XYZ(12.0696, 13.0572, 6.5077)
contains.

XYZ(12.0787, 13.0347, 6.4368)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.0787, 13.0347,
6.4368)**

Conversions

Conversions Part 1

Format	Color
Hex	6F653E
RGB	111, 101, 62
RGB Percent	44%, 40%, 24%
CMY	0.5647, 0.6039, 0.7569
CMYK	0.00, 0.09, 0.44, 0.56
HSL	48°, 28%, 34%
HSV	48°, 44%, 44%
XYZ	12.0787, 13.0347, 6.4368
YIQ	99.5440, 18.4790, -10.0090

Conversions

Conversions Part 2

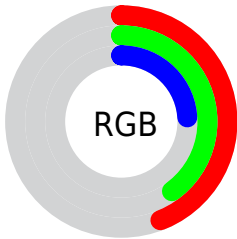
Format	Color
R_{YB}	75, 111, 62
Decimal	7300414
CIE Lab	42.82, -2.14, 23.49
CIE LCh	43, 23.592, 95.192
Yxy	13.0347, 0.3828, 0.4131
Android (android.graphics.Color)	4285490494 (0xFF6F653E)
YUV	99.5440, -18.5092, 10.0469
Hunter-Lab	36.1036, -3.4629, 14.7019

Details

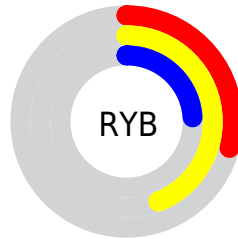
The XYZ color **12.0787, 13.0347, 6.4368** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.1731, 6.8063, 15.9744**, and the grayscale version is **12.0396, 12.6666, 13.7940**.

A 20% lighter version of the original color is **29.3526, 31.4748, 19.2800**, and **3.4150, 3.7061, 1.1076** is the 20% darker color. If you saturate the color by 10%, you get **11.5880, 12.4919, 4.9210**, and if you desaturate by 10%, it is **12.6384, 13.6157, 8.2830**.

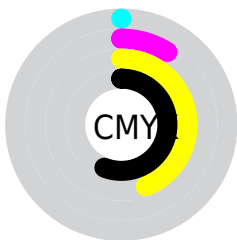
Distribution



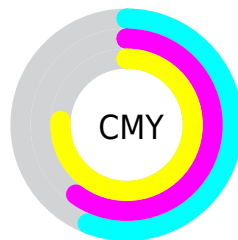
- Red (44%)
- Green (40%)
- Blue (24%)



- Red (29%)
- Yellow (44%)
- Blue (24%)



- Cyan (0%)
- Magenta (9%)
- Yellow (44%)
- Black (56%)



- Cyan (56%)
- Magenta (60%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0787, 13.0347, 6.4368 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 12.0787, 13.0347, 6.4368 by changing the saturation by 10% instead.

■ 12.0787, 13.0347,
6.4368

■ 12.0787, 13.0347,
6.4368

■ 198.6849,
211.1399, 172.3477

■ 6.8699, 7.4524,
3.0394

■ 29.2540, 31.3661,
19.3241

■ 3.4265, 3.7466,
1.1148

■ 41.9511, 44.8841,
29.6511

■ 1.3831, 1.5329,
0.0000

■ 57.8751, 61.8160,
43.1250

■ 0.2441, 0.3117,
0.0000

■ 77.3913, 82.5464,
60.1644

■ 0.0000, 0.0000,
0.0000

■ 100.8650,
107.4596, 81.1878

■ 128.6616,

136.9400, 106.6138

161.1464,
171.3720, 136.8609

■ 12.0787, 13.0347,
6.4368

■ 12.0787, 13.0347,
6.4368

■ 11.5880, 12.4919,
4.9210

■ 12.6384, 13.6157,
8.2830

■ 11.1614, 11.9839,
3.7147

■ 13.2696, 14.2347,
10.4771

■ 10.7950, 11.5095,
2.7957

■ 13.9759, 14.8935,
13.0365

■ 10.4838, 11.0667,
2.1389

■ 14.7605, 15.5935,
15.9772

■ 10.2204, 10.6523,
1.7041

■ 15.6261, 16.3360,
19.3141

■ 10.0744, 10.4173,
1.4798

■ 16.5756, 17.1221,
23.0614

■ 17.6115, 17.9529,
27.2325

■ 18.7363, 18.8294,
31.8404

■ 19.9524, 19.7528,
36.8973

Harmonies

Analogous

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



13.8977, 13.0347, 6.9663



12.0787, 13.0347, 6.4368



10.5007, 13.0347, 7.5391

Triad

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



12.0787, 13.0347, 6.4368



9.7721, 13.0347, 20.7010



15.8013, 13.0347, 18.7675

Complementary

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



12.0787, 13.0347, 6.4368



7.1731, 6.8063, 15.9744

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.



14.4913, 13.0347, 23.9241



12.0787, 13.0347, 6.4368



10.9938, 13.0347, 25.2165

Square

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



12.0787, 13.0347, 6.4368



9.2539, 13.0347, 15.1080



12.7048, 13.0347, 26.5195



16.1627, 13.0347, 13.3148

Rectangle

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



12.0787, 13.0347, 6.4368



9.7607, 13.0347, 9.2559



12.7048, 13.0347, 26.5195



15.4515, 13.0347, 20.6310

Sweetspot

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



12.0790, 13.0353, 6.4371



25.1322, 26.7658, 23.7345



9.4681, 7.3009, 7.1473



5.9804, 6.3779, 5.4903



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.



12.0790, 13.0353, 6.4371



20.7259, 22.3409, 8.7391



11.4961, 14.2644, 6.7050



3.5869, 3.8063, 3.6190



11.8532, 12.2389, 1.7376



58.4222, 59.7197, 8.4479

Inverse Universe

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



7.1731, 6.8063, 15.9744



10.7165, 9.6408, 28.2258



7.5632, 6.1249, 15.8223



3.2677, 3.4006, 4.2384



3.7171, 2.0244, 17.9164



18.0030, 9.0579, 89.0786

Previews

White Background



This preview shows how the XYZ color 12.0787, 13.0347, 6.4368 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 12.0787, 13.0347, 6.4368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

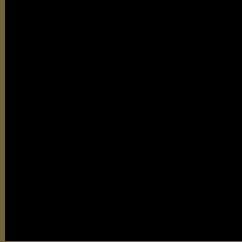
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.0787, 13.0347, 6.4368

Background



This preview shows how black text looks on a background with the XYZ color 12.0787, 13.0347, 6.4368.

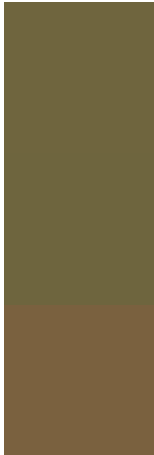


This preview shows how white text looks on a background with the XYZ color 12.0787, 13.0347,

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

12.0787, 13.0347, 6.4368

Protanopia

11.9536, 12.9702, 6.4309

Deuteranopia

13.1979, 13.0458, 6.5251



Tritanopia

13.7013, 12.9899, 14.6171

Trichromacy



Original Color

12.0787, 13.0347, 6.4368

Protanomaly

11.9536, 12.9702, 6.4309

Deuteranomaly

12.7361, 12.9458, 6.5302

Tritanomaly

13.0686, 13.0174, 11.0563

Monochromacy



Original Color

12.0787, 13.0347, 6.4368

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.9458, 12.7293, 10.6315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0787, 13.0347, 6.4368 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(111, 101, 62)` looks like.

```
.text, #text, p{  
    color:rgb(111, 101, 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(111, 101, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 101, 62) }
```

Border

The CSS property to change the border of an element to XYZ 12.0787, 13.0347, 6.4368 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(111, 101, 62) }
```


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

```
.border{ border-color:rgb(111, 101, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 101, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 101, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 101, 62);  
box-shadow:4px 4px 4px 4px rgb(111, 101,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0787, 13.0347, 6.4368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 101, 62) }
```

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

```
.background{ background-color: rgb(111,  
101, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor