

Converting Colors

XYZ(10.3823, 15.1411, 6.6625)

Have a look what the booklet for
XYZ(10.3823, 15.1411, 6.6625)
contains.

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Color

**XYZ(10.4337, 15.2550,
6.6696)**

Conversions

Conversions Part 1

Format	Color
Hex	4B783C
RGB	75, 120, 60
RGB Percent	29%, 47%, 24%
CMY	0.7059, 0.5294, 0.7647
CMYK	0.38, 0.00, 0.50, 0.53
HSL	105°, 33%, 35%
HSV	105°, 50%, 47%
XYZ	10.4337, 15.2550, 6.6696
YIQ	99.7050, -7.5600, -28.2000

Conversions

Conversions Part 2

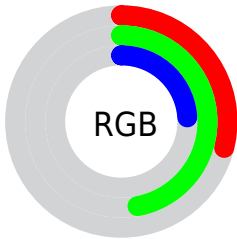
Format	Color
RYB	60, 120, 105
Decimal	4945980
CIELab	45.98, -27.75, 28.03
CIELCh	46, 39.443, 134.722
Yxy	15.2550, 0.3224, 0.4714
Android (android.graphics.Color)	4283136060 (0xFF4B783C)
YUV	99.7050, -19.5746, -21.6663
Hunter-Lab	39.0576, -20.6671, 17.2158

Details

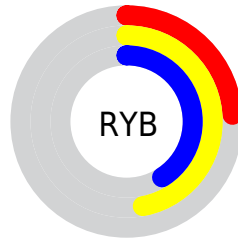
The XYZ color **10.4337, 15.2550, 6.6696** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.8325, 7.5916, 18.6645**, and the grayscale version is **12.0879, 12.7174, 13.8493**.

A 20% lighter version of the original color is **26.3081, 35.4269, 19.9195**, and **2.7334, 4.7449, 1.1872** is the 20% darker color. If you saturate the color by 10%, you get **9.4970, 14.8052, 5.1536**, and if you desaturate by 10%, it is **11.5427, 15.7863, 8.5700**.

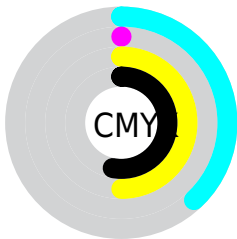
Distribution



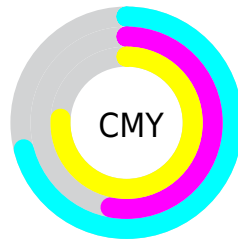
- Red (29%)
- Green (47%)
- Blue (24%)



- Red (24%)
- Yellow (47%)
- Blue (41%)



- Cyan (38%)
- Magenta (0%)
- Yellow (50%)
- Black (53%)





- Cyan (71%)
- Magenta (53%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4337, 15.2550, 6.6696 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 10.4337, 15.2550, 6.6696 by changing the saturation by 10% instead.


 10.4337, 15.2550,
6.6696


 10.4337, 15.2550,
6.6696


187.7297,
224.9045, 174.4148


 5.7519, 8.9985,
3.1810


 26.2505, 35.2999,
19.8068


 2.7340, 4.7402,
1.1878


 38.1161, 49.8572,
30.2925


 1.0147, 2.0957,
0.0000

 53.1071, 67.9501,
43.9477

 0.0000, 0.6622,
0.0000

 71.5888, 89.9632,
61.1910

 0.0000, 0.0000,
0.0000

 93.9266, 116.2808,
82.4407

 120.4858,

147.2873, 108.1156

151.6317,
183.3670, 138.6341

■ 10.4337, 15.2550,
6.6696

■ 10.4337, 15.2550,
6.6696

■ 9.4970, 14.8052,
5.1536

■ 11.5427, 15.7863,
8.5700

■ 8.7225, 14.4307,
3.9949

■ 12.8314, 16.4009,
10.8774

■ 8.1005, 14.1278,
3.1642


■ 14.3079, 17.1030,
13.6141


■ 7.6197, 13.8914,
2.6276


■ 15.9795, 17.8960,
16.8002


■ 7.2521, 13.7095,
2.2640


■ 17.8533, 18.7830,
20.4548

 7.2521, 13.7095,
2.2640

 19.9357, 19.7670,
24.5957

 22.2330, 20.8509,
29.2398

 24.7513, 22.0375,
34.4033

 27.4964, 23.3293,
40.1016

Harmonies

Analogous

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



12.9279, 15.2550, 4.4163



10.4337, 15.2550, 6.6696



9.1448, 15.2550, 12.2199

Triad

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



10.4337, 15.2550, 6.6696



12.8722, 15.2550, 41.4188



21.6396, 15.2550, 12.3608

Complementary

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



10.4337, 15.2550, 6.6696



10.8325, 7.5916, 18.6645

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.



21.6186, 15.2550, 21.9430



10.4337, 15.2550, 6.6696



16.1934, 15.2550, 41.5038

Square

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



10.4337, 15.2550, 6.6696



10.3984, 15.2550, 33.2042



19.5041, 15.2550, 33.4048



19.5578, 15.2550, 6.7385

Rectangle

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



10.4337, 15.2550, 6.6696



8.9948, 15.2550, 18.1707



19.5041, 15.2550, 33.4048



21.8874, 15.2550, 15.1416

Sweetspot

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



10.4341, 15.2557, 6.6699



26.4823, 30.7056, 26.4389



13.6135, 14.4231, 6.3417



6.1589, 7.2213, 6.0431



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



10.4341, 15.2557, 6.6699



16.4850, 25.9335, 8.7260



9.8504, 14.9023, 9.0142



4.0361, 4.4939, 4.2792



7.8994, 14.9495, 2.4692



37.0084, 70.9640, 11.7469

Inverse Universe

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



10.8325, 7.5916, 18.6645



17.2476, 10.7777, 32.4243



11.9120, 8.2451, 14.3289



4.0613, 4.0295, 5.0069



8.2856, 3.8441, 19.6906



38.7144, 17.9200, 93.8882

Previews

White Background



This preview shows how the XYZ color 10.4337, 15.2550, 6.6696 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 10.4337, 15.2550, 6.6696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

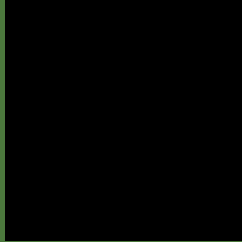
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.4337, 15.2550, 6.6696

Background



This preview shows how black text looks on a background with the XYZ color 10.4337, 15.2550, 6.6696.



This preview shows how white text looks on a background with the XYZ color 10.4337, 15.2550,

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

10.4337, 15.2550, 6.6696

Protanopia

13.9282, 15.2159, 5.9442

Deuteranopia

15.3914, 15.1763, 6.9686



Tritanopia

13.2557, 15.1938, 20.6464

Trichromacy



Original Color

10.4337, 15.2550, 6.6696

Protanomaly

12.3526, 15.0487, 6.1245

Deuteranomaly

13.0287, 14.8902, 6.8900

Tritanomaly

11.9772, 15.1855, 14.1042

Monochromacy



Original Color

10.4337, 15.2550, 6.6696

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.2118, 13.3954, 10.5890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4337, 15.2550, 6.6696 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(75, 120, 60)` looks like.

```
.text, #text, p{  
    color:rgb(75, 120, 60)  
}
```

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(75, 120, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 120, 60) }
```

Border

The CSS property to change the border of an element to XYZ 10.4337, 15.2550, 6.6696 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(75, 120, 60) }
```


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

```
.border{ border-color:rgb(75, 120, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 120, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 120, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 120, 60);  
box-shadow:4px 4px 4px 4px rgb(75, 120,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4337, 15.2550, 6.6696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 120, 60) }
```

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

```
.background{ background-color: rgb(75, 120,  
60) }
```

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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