

Converting Colors

XYZ(10.8258, 16.1704, 7.5518)

Have a look what the booklet for
XYZ(10.8258, 16.1704, 7.5518)
contains.

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Color

**XYZ(10.8343, 16.1747,
7.5520)**

Conversions

Conversions Part 1

Format	Color
Hex	487C41
RGB	72, 124, 65
RGB Percent	28%, 49%, 25%
CMY	0.7176, 0.5137, 0.7451
CMYK	0.42, 0.00, 0.48, 0.51
HSL	113°, 31%, 37%
HSV	113°, 48%, 49%
XYZ	10.8343, 16.1747, 7.5520
YIQ	101.7260, -12.0530, -29.3730

Conversions

Conversions Part 2

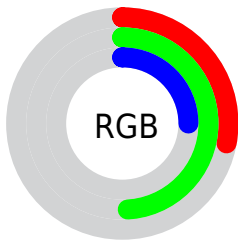
Format	Color
RYB	65, 124, 117
Decimal	4750401
CIELab	47.20, -29.99, 26.80
CIElCh	47, 40.221, 138.221
Yxy	16.1747, 0.3135, 0.4680
Android (android.graphics.Color)	4282940481 (0xFF487C41)
YUV	101.7260, -18.1059, -26.0697
Hunter-Lab	40.2178, -22.2949, 17.0191

Details

The XYZ color **10.8343, 16.1747, 7.5520** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **12.8652, 9.0182, 20.1323**, and the grayscale version is **12.6061, 13.2626, 14.4430**.

A 20% lighter version of the original color is **26.9278, 36.8701, 21.6170**, and **2.9221, 5.2279, 1.4712** is the 20% darker color. If you saturate the color by 10%, you get **9.7703, 15.6637, 5.8287**, and if you desaturate by 10%, it is **12.1229, 16.7933, 9.6983**.

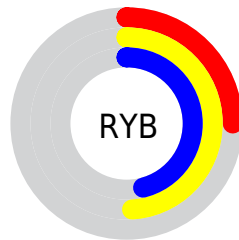
Distribution



Red (28%)

Green (49%)

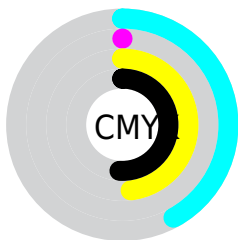
Blue (25%)



Red (25%)

Yellow (49%)

Blue (46%)

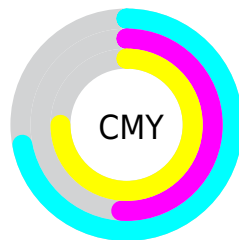


Cyan (42%)

Magenta (0%)

Yellow (48%)

Black (51%)



Cyan (72%)


Magenta (51%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.8343, 16.1747, 7.5520 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 10.8343, 16.1747, 7.5520 by changing the saturation by 10% instead.


 10.8343, 16.1747,
7.5520


 10.8343, 16.1747,
7.5520


190.4591,
230.3704, 181.9760


 6.0220, 9.6479,
3.7260


 26.9890, 36.9012,
21.6069


 2.8992, 5.1661,
1.4763

 39.0622, 51.8697,
32.6728


 1.1007, 2.3451,
0.2002

 54.2863, 70.4208,
46.9892

 0.0257, 0.7974,
0.0000

 73.0267, 92.9391,
64.9745

 0.0000, 0.0000,
0.0000

 95.6489, 119.8087,
87.0473

 122.5181,

151.4142, 113.6261

153.9997,
188.1400, 145.1295

■ 10.8343, 16.1747,
7.5520

■ 10.8343, 16.1747,
7.5520

■ 9.7703, 15.6637,
5.8287

■ 12.1229, 16.7933,
9.6983

■ 8.9168, 15.2523,
4.4995

■ 13.6467, 17.5230,
12.2918

■ 8.2600, 14.9344,
3.5334


■ 15.4172, 18.3698,
15.3562


■ 7.7838, 14.7025,
2.8947


■ 17.4446, 19.3383,
18.9132


■ 7.4620, 14.5450,
2.5003


■ 19.7388, 20.4333,
22.9833

 7.4003, 14.5151,
2.4117

 22.3089, 21.6590,
27.5856

 25.1637, 23.0197,
32.7383

 28.3116, 24.5191,
38.4589

 31.7607, 26.1612,
44.7639

Harmonies

Analogous

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



13.3412, 16.1747, 4.8234



10.8343, 16.1747, 7.5520



9.6247, 16.1747, 13.9232

Triad

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



10.8343, 16.1747, 7.5520



14.0251, 16.1747, 44.4306



22.7907, 16.1747, 12.1904

Complementary

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



10.8343, 16.1747, 7.5520



12.8652, 9.0182, 20.1323

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.



23.0492, 16.1747, 21.8997



10.8343, 16.1747, 7.5520



17.6026, 16.1747, 43.3876

Square

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



10.8343, 16.1747, 7.5520



11.2685, 16.1747, 36.5240



21.0309, 16.1747, 34.0611



20.3711, 16.1747, 6.7045

Rectangle

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



10.8343, 16.1747, 7.5520



9.5711, 16.1747, 20.5499



21.0309, 16.1747, 34.0611



23.1455, 16.1747, 14.9674

Sweetspot

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



10.8347, 16.1754, 7.5524



28.2379, 32.8547, 28.9585



15.5278, 17.1891, 7.5007



6.5032, 7.6674, 6.5626



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



10.8347, 16.1754, 7.5524



17.0638, 27.5012, 10.0521



11.0935, 16.2220, 11.4854



3.9910, 4.4707, 4.2771



7.5214, 14.7547, 2.4515



35.4858, 70.1790, 11.6756

Inverse Universe

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



12.8652, 9.0182, 20.1323



21.0737, 13.2908, 35.0113



12.6196, 9.0327, 13.7449



4.1099, 4.0546, 5.0092



10.1447, 4.8026, 19.7776



47.9203, 22.6658, 94.3191

Previews

White Background



This preview shows how the XYZ color 10.8343, 16.1747, 7.5520 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 10.8343, 16.1747, 7.5520 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 10.8343, 16.1747, 7.5520

Background



This preview shows how black text looks on a background with the XYZ color 10.8343, 16.1747, 7.5520.



This preview shows how white text looks on a background with the XYZ color 10.8343, 16.1747,

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

10.8343, 16.1747, 7.5520

Protanopia

14.8049, 16.1362, 6.7492

Deuteranopia

16.2199, 15.8886, 7.8422



Tritanopia

13.8482, 16.1397, 22.4641

Trichromacy



Original Color

10.8343, 16.1747, 7.5520

Protanomaly

12.8238, 15.7816, 6.9277

Deuteranomaly

13.6306, 15.6724, 7.7755

Tritanomaly

12.5234, 16.1379, 15.5516

Monochromacy



Original Color

10.8343, 16.1747, 7.5520

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

11.6935, 14.0973, 11.5559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8343, 16.1747, 7.5520 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(72, 124, 65)` looks like.

```
.text, #text, p{  
    color:rgb(72, 124, 65)  
}
```

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(72, 124, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 124, 65) }
```

Border

The CSS property to change the border of an element to XYZ 10.8343, 16.1747, 7.5520 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(72, 124, 65) }
```


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

```
.border{ border-color:rgb(72, 124, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 124, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 124, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 124, 65);  
box-shadow:4px 4px 4px 4px rgb(72, 124,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 10.8343, 16.1747, 7.5520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 124, 65) }
```

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

```
.background{ background-color: rgb(72, 124,  
65) }
```

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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