

Converting Colors

XYZ(12.1108, 16.6030, 10.3336)

Have a look what the booklet for
XYZ(12.1108, 16.6030, 10.3336)
contains.

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Color

**XYZ(12.1354, 16.5990,
10.3489)**

Conversions

Conversions Part 1

Format	Color
Hex	537B51
RGB	83, 123, 81
RGB Percent	33%, 48%, 32%
CMY	0.6745, 0.5176, 0.6823
CMYK	0.33, 0.00, 0.34, 0.52
HSL	117°, 21%, 40%
HSV	117°, 34%, 48%
XYZ	12.1354, 16.5990, 10.3489
YIQ	106.2520, -10.3580, -21.5420

Conversions

Conversions Part 2

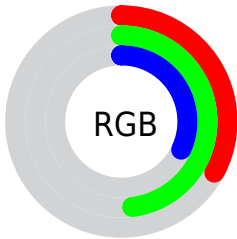
Format	Color
R_{YB}	81, 123, 121
Decimal	5471057
CIE _{Lab}	47.75, -23.02, 18.64
CIE _{LCh}	48, 29.618, 140.992
Yxy	16.5990, 0.3105, 0.4247
Android (android.graphics.Color)	4283661137 (0xFF537B51)
YUV	106.2520, -12.4492, -20.3920
Hunter-Lab	40.7419, -18.1301, 13.4590

Details

The XYZ color **12.1354, 16.5990, 10.3489** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **14.4036, 11.3804, 20.1773**, and the grayscale version is **13.8042, 14.5231, 15.8157**.

A 20% lighter version of the original color is **29.4536, 37.7577, 27.2083**, and **3.4604, 5.3823, 2.5256** is the 20% darker color. If you saturate the color by 10%, you get **10.7677, 15.9430, 8.0915**, and if you desaturate by 10%, it is **13.7622, 17.3799, 13.0554**.

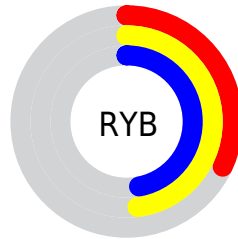
Distribution



Red (33%)

Green (48%)

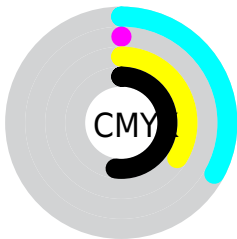
Blue (32%)



Red (32%)

Yellow (48%)

Blue (47%)

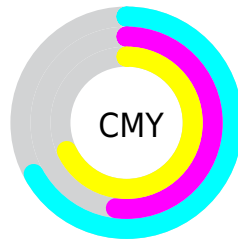


Cyan (33%)

Magenta (0%)

Yellow (34%)

Black (52%)



Cyan (67%)

Magenta (52%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1354, 16.5990, 10.3489 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 12.1354, 16.5990, 10.3489 by changing the saturation by 10% instead.

■ 12.1354, 16.5990,
10.3489

■ 12.1354, 16.5990,
10.3489

199.0513,
232.8508, 203.7189

■ 6.9088, 9.9490,
5.5223

■ 29.3562, 37.6350,
27.0677

■ 3.4510, 5.3652,
2.4928

■ 42.0811, 52.7898,
39.7970

■ 1.3965, 2.4631,
0.8363

■ 58.0362, 71.5484,
55.9976

■ 0.2537, 0.8581,
0.0000

■ 77.5868, 94.2950,
76.0880

■ 0.0000, 0.0000,
0.0000

■ 101.0982,
121.4142, 100.4868

128.9359,

153.2903, 129.6125

161.4651,
190.3077, 163.8837

■ 12.1354, 16.5990,
10.3489

■ 12.1354, 16.5990,
10.3489

■ 10.7677, 15.9430,
8.0915

■ 13.7622, 17.3799,
13.0554

■ 9.6446, 15.4034,
6.2578

■ 15.6592, 18.2895,
16.2323

■ 8.7519, 14.9741,
4.8218

■ 17.8384, 19.3340,
19.9007

■ 8.0738, 14.6474,
3.7540

■ 20.3106, 20.5185,
24.0804

■ 7.5920, 14.4148,
3.0209

■ 23.0861, 21.8480,
28.7898

■ 7.2845, 14.2658,
2.5764

■ 26.1748, 23.3271,
34.0467

■ 7.1566, 14.2044,
2.3645

■ 29.5859, 24.9603,
39.8677

■ 33.3285, 26.7518,
46.2691

■ 37.4112, 28.7059,
53.2663

Harmonies

Analogous

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



14.0189, 16.5990, 7.5767



12.1354, 16.5990, 10.3489



11.2556, 16.5990, 15.8812

Triad

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



12.1354, 16.5990, 10.3489



14.9915, 16.5990, 36.6849



21.0352, 16.5990, 13.3284

Complementary

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



12.1354, 16.5990, 10.3489



14.4036, 11.3804, 20.1773

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.



21.3709, 16.5990, 20.4588



12.1354, 16.5990, 10.3489



17.6759, 16.5990, 35.4336

Square

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



12.1354, 16.5990, 10.3489



12.7787, 16.5990, 31.9698



20.0824, 16.5990, 28.9175



19.2106, 16.5990, 8.9316

Rectangle

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



12.1354, 16.5990, 10.3489



11.2801, 16.5990, 21.0050



20.0824, 16.5990, 28.9175



21.3333, 16.5990, 15.4283

Sweetspot

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



12.1358, 16.5997, 10.3493



29.5014, 33.4507, 31.5223



16.4796, 18.4564, 10.4787



6.8436, 7.8281, 7.2484



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.



12.1358, 16.5997, 10.3493



19.7677, 28.7820, 15.2886



12.7723, 16.8342, 14.6079



3.9669, 4.4582, 4.2759



7.4017, 14.6929, 2.4459



35.1037, 69.9820, 11.6577

Inverse Universe

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



14.4036, 11.3804, 20.1773



24.4804, 17.9264, 35.7265



13.6152, 11.0978, 14.5484



4.1366, 4.0683, 5.0104



11.3068, 5.4016, 19.8320



53.7258, 25.6587, 94.5907

Previews

White Background



This preview shows how the XYZ color 12.1354, 16.5990, 10.3489 looks on a white background.

Color Contrast Check

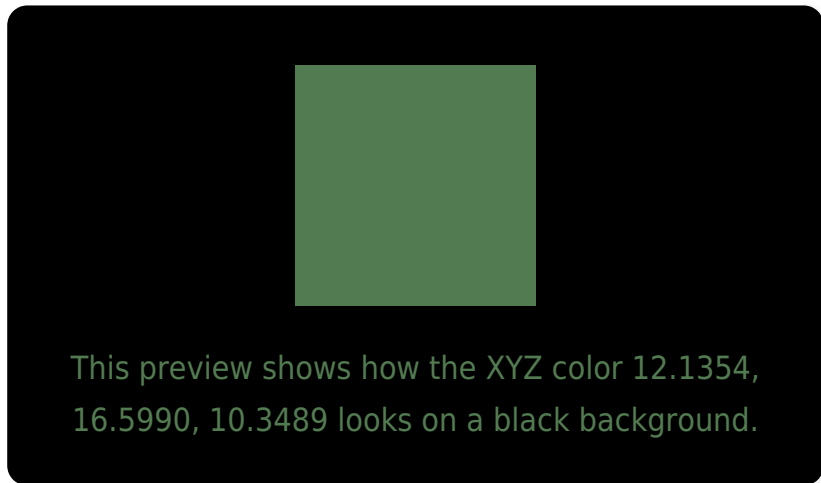
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.1354, 16.5990, 10.3489

Background



This preview shows how black text looks on a background with the XYZ color 12.1354, 16.5990, 10.3489.



This preview shows how white text looks on a background with the XYZ color 12.1354, 16.5990,

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

12.1354, 16.5990, 10.3489

Protanopia

15.2707, 16.4837, 9.3980

Deuteranopia

16.6357, 16.3518, 10.6669



Tritanopia

14.5064, 16.4790, 22.4949

Trichromacy



Original Color

12.1354, 16.5990, 10.3489

Protanomaly

13.9208, 16.4608, 9.6513

Deuteranomaly

14.5367, 16.0796, 10.5211

Tritanomaly

13.4358, 16.3941, 17.2081

Monochromacy



Original Color

12.1354, 16.5990, 10.3489

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

12.9888, 15.0481, 13.5292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1354, 16.5990, 10.3489 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(83, 123, 81)` looks like.

```
.text, #text, p{  
    color:rgb(83, 123, 81)  
}
```

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(83, 123, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 123, 81) }
```

Border

The CSS property to change the border of an element to XYZ 12.1354, 16.5990, 10.3489 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(83, 123, 81) }
```


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

```
.border{ border-color:rgb(83, 123, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 123, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 123, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 123, 81);  
box-shadow:4px 4px 4px 4px rgb(83, 123,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1354, 16.5990, 10.3489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 123, 81) }
```

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

```
.background{ background-color: rgb(83, 123,  
81) }
```

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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