

Converting Colors

XYZ(12.3808, 19.5392, 15.4442)

Have a look what the booklet for
XYZ(12.3808, 19.5392, 15.4442)
contains.

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Color

**XYZ(12.4337, 19.6301,
15.4456)**

Conversions

Conversions Part 1

Format	Color
Hex	2B8A65
RGB	43, 138, 101
RGB Percent	17%, 54%, 40%
CMY	0.8314, 0.4588, 0.6039
CMYK	0.69, 0.00, 0.27, 0.46
HSL	157°, 52%, 35%
HSV	157°, 69%, 54%
XYZ	12.4337, 19.6301, 15.4456
YIQ	105.3770, -44.7430, -31.6470

Conversions

Conversions Part 2

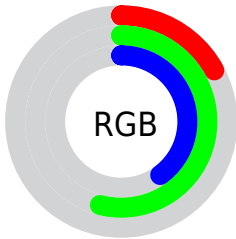
Format	Color
R _Y B	43, 102, 138
Decimal	2853477
CIE Lab	51.42, -36.77, 11.93
CIE LCh	51, 38.656, 162.026
Yxy	19.6301, 0.2617, 0.4132
Android (android.graphics.Color)	4281043557 (0xFF2B8A65)
YUV	105.3770, -2.1579, -54.7046
Hunter-Lab	44.3059, -27.4422, 10.3448

Details

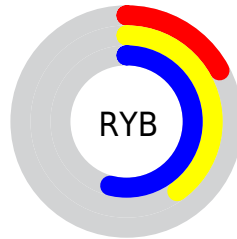
The XYZ color **12.4337, 19.6301, 15.4456** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.7937, 7.7107, 8.4042**, and the grayscale version is **13.5445, 14.2498, 15.5181**.

A 20% lighter version of the original color is **29.8840, 42.7330, 36.3790**, and **4.0740, 7.0827, 4.6424** is the 20% darker color. If you saturate the color by 10%, you get **11.6954, 19.2794, 14.0812**, and if you desaturate by 10%, it is **13.3861, 20.0902, 16.9108**.

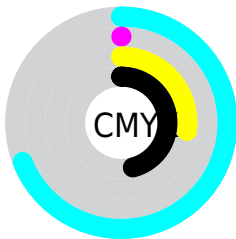
Distribution



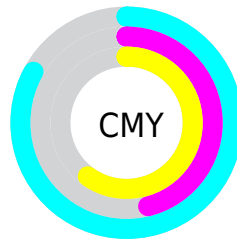
- Red (17%)
- Green (54%)
- Blue (40%)



- Red (17%)
- Yellow (40%)
- Blue (54%)



- Cyan (69%)
- Magenta (0%)
- Yellow (27%)
- Black (46%)



- Cyan (83%)
- Magenta (46%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4337, 19.6301, 15.4456 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 12.4337, 19.6301, 15.4456 by changing the saturation by 10% instead.

■ 12.4337, 19.6301,
15.4456

■ 12.4337, 19.6301,
15.4456

■ 200.9676,
249.9055, 237.7807

■ 7.1141, 12.1265,
8.9826

■ 29.8926, 42.7961,
36.3863

■ 3.5805, 6.8299,
4.6332

■ 42.7626, 59.2273,
51.7011

■ 1.4677, 3.3559,
1.9788

■ 58.8801, 79.4031,
70.8037

■ 0.3037, 1.3203,
0.5422

■ 78.6105, 103.7080,
94.1124

■ 0.0000, 0.1568,
0.0000

■ 102.3190,
132.5263, 122.0460

■ 0.0000, 0.0000,
0.0000

■ 130.3712,

166.2423, 155.0228

163.1322,
205.2406, 193.4615

■ 12.4337, 19.6301,
15.4456

■ 12.4337, 19.6301,
15.4456

■ 11.6954, 19.2794,
14.0812

■ 13.3861, 20.0902,
16.9108

■ 11.1486, 19.0251,
12.8137

■ 14.5692, 20.6666,
18.4779

■ 10.7436, 18.8419,
11.6392

■ 15.9995, 21.3684,
20.1499

■ 10.6989, 18.8217,
11.5084

■ 17.6919, 22.2032,
21.9289

■ 19.6596, 23.1779,
23.8171

■ 21.9152, 24.2988,
25.8166

■ 24.4705, 25.5720,
27.9294

■ 27.3364, 27.0030,
30.1575

■ 30.5235, 28.5974,
32.5027

Harmonies

Analogous

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



14.1038, 19.6301, 9.1242



12.4337, 19.6301, 15.4456



12.2818, 19.6301, 26.1318

Triad

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



12.4337, 19.6301, 15.4456



20.2526, 19.6301, 49.7497



24.7535, 19.6301, 10.0404

Complementary

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



12.4337, 19.6301, 15.4456



12.7937, 7.7107, 8.4042

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.



26.9289, 19.6301, 17.2316



12.4337, 19.6301, 15.4456



24.0997, 19.6301, 41.4501

Square

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



12.4337, 19.6301, 15.4456



16.4531, 19.6301, 48.7505



26.6743, 19.6301, 28.6527



21.0511, 19.6301, 6.8299

Rectangle

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



12.4337, 19.6301, 15.4456



13.0303, 19.6301, 34.7938



26.6743, 19.6301, 28.6527



25.7092, 19.6301, 11.9425

Sweetspot

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



12.4342, 19.6309, 15.4461



33.6989, 40.3809, 41.0928



12.9185, 20.1015, 5.4849



7.3724, 8.9650, 9.0401



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.4342, 19.6309, 15.4461



20.0043, 33.6968, 23.4733



13.3689, 17.9184, 26.7996



5.0917, 5.6562, 6.0037



9.8163, 17.2591, 10.5895



0.0724, 0.1175, 0.1083

Inverse Universe

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



12.7937, 7.7107, 8.4042



20.7116, 11.1757, 10.3088



12.1683, 8.0790, 3.2039



5.1083, 5.0787, 5.6586



10.2217, 5.1988, 3.6719



0.0747, 0.0373, 0.0603

Previews

White Background



This preview shows how the XYZ color 12.4337, 19.6301, 15.4456 looks on a white 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

Black Background



This preview shows how the XYZ color 12.4337, 19.6301, 15.4456 looks on a black 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

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

XYZ 12.4337, 19.6301, 15.4456

Background



This preview shows how black text looks on a background with the XYZ color 12.4337, 19.6301, 15.4456.



This preview shows how white text looks on a background with the XYZ color 12.4337, 19.6301,

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

12.4337, 19.6301, 15.4456

Protanopia

18.1412, 19.4552, 13.1550

Deuteranopia

19.6103, 19.2522, 16.3181



Tritanopia

15.2089, 19.7189, 28.9911

Trichromacy



Original Color

12.4337, 19.6301, 15.4456

Protanomaly

14.8675, 18.8795, 13.9268

Deuteranomaly

15.5412, 18.6098, 15.8696

Tritanomaly

14.0816, 19.6707, 23.4767

Monochromacy



Original Color

12.4337, 19.6301, 15.4456

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.3397, 15.5159, 15.4412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4337, 19.6301, 15.4456 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(43, 138, 101)` looks like.

```
.text, #text, p{  
    color:rgb(43, 138, 101)  
}
```

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(43, 138, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 138, 101) }
```

Border

The CSS property to change the border of an element to XYZ 12.4337, 19.6301, 15.4456 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(43, 138, 101) }
```


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

```
.border{ border-color:rgb(43, 138, 101) }
```

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

Here you see how a box with a 4 pixel rgb(43, 138, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 138, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 138, 101);  
box-shadow:4px 4px 4px 4px rgb(43, 138,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4337, 19.6301, 15.4456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 138, 101) }
```

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

```
.background{ background-color: rgb(43, 138,  
101) }
```

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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