

Converting Colors

XYZ(13.8269, 21.0074, 15.1305)

Have a look what the booklet for
XYZ(13.8269, 21.0074, 15.1305)
contains.

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Color

**XYZ(13.8269, 21.0074,
15.1305)**

Conversions

Conversions Part 1

Format	Color
Hex	3F8D63
RGB	63, 141, 99
RGB Percent	25%, 55%, 39%
CMY	0.7529, 0.4470, 0.6118
CMYK	0.55, 0.00, 0.30, 0.45
HSL	148°, 38%, 40%
HSV	148°, 55%, 55%
XYZ	13.8269, 21.0074, 15.1305
YIQ	112.8900, -33.0060, -29.5980

Conversions

Conversions Part 2

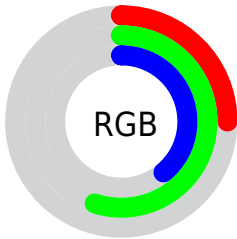
Format	Color
RYB	63, 116, 141
Decimal	4164963
CIELab	52.96, -34.27, 15.30
CIELCh	53, 37.526, 155.939
Yxy	21.0074, 0.2767, 0.4204
Android (android.graphics.Color)	4282355043 (0xFF3F8D63)
YUV	112.8900, -6.8478, -43.7535
Hunter-Lab	45.8338, -26.3603, 12.5111

Details

The XYZ color **13.8269, 21.0074, 15.1305** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **15.3125, 10.2381, 14.5343**, and the grayscale version is **15.6905, 16.5076, 17.9768**.

A 20% lighter version of the original color is **32.3562, 45.0141, 35.8374**, and **4.2760, 7.5603, 4.4827** is the 20% darker color. If you saturate the color by 10%, you get **12.6932, 20.4635, 13.2711**, and if you desaturate by 10%, it is **15.2266, 21.6856, 17.1814**.

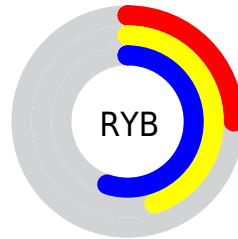
Distribution



Red (25%)

Green (55%)

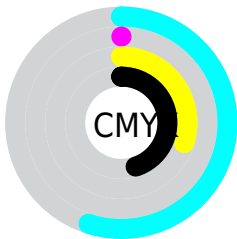
Blue (39%)



Red (25%)

Yellow (45%)

Blue (55%)

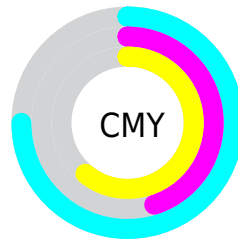


Cyan (55%)

Magenta (0%)

Yellow (30%)

Black (45%)



Cyan (75%)

Magenta (45%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8269, 21.0074, 15.1305 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 13.8269, 21.0074, 15.1305 by changing the saturation by 10% instead.

■ 13.8269, 21.0074,
15.1305

■ 13.8269, 21.0074,
15.1305

209.6835,
257.3178, 235.8227

■ 8.0813, 13.1294,
8.7634

■ 32.3704, 45.0998,
35.8275

■ 4.1992, 7.5177,
4.4925

■ 45.8990, 62.0831,
50.9944

■ 1.8155, 3.7879,
1.8992

■ 62.7526, 82.8702,
69.9318

■ 0.5270, 1.5557,
0.4922

■ 83.2966, 107.8456,
93.0580

■ 0.0000, 0.3274,
0.0000

■ 107.8963,
137.3937, 120.7916

■ 0.0000, 0.0000,
0.0000

136.9172,

171.8988, 153.5513

170.7244,
211.7454, 191.7554

■ 13.8269, 21.0074,
15.1305

■ 13.8269, 21.0074,
15.1305

■ 12.6932, 20.4635,
13.2711

■ 15.2266, 21.6856,
17.1814

■ 11.8047, 20.0416,
11.5961

■ 16.9075, 22.5041,
19.4279

■ 11.1405, 19.7317,
10.0998

■ 18.8857, 23.4718,
21.8758

■ 10.6707, 19.5183,
8.7754

■ 21.1755, 24.5959,
24.5300

■ 10.4817, 19.4331,
8.2114

■ 23.7905, 25.8832,
27.3955

■ 26.7430, 27.3402,
30.4768

■ 30.0450, 28.9728,
33.7786

■ 33.7079, 30.7868,
37.3052

■ 37.7424, 32.7877,
41.0608

Harmonies

Analogous

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



15.8491, 21.0074, 9.4371



13.8269, 21.0074, 15.1305



13.3499, 21.0074, 25.1883

Triad

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



13.8269, 21.0074, 15.1305



20.7596, 21.0074, 51.8868



26.7372, 21.0074, 12.3710

Complementary

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



13.8269, 21.0074, 15.1305



15.3125, 10.2381, 14.5343

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.



28.4731, 21.0074, 20.7050



13.8269, 21.0074, 15.1305



24.7426, 21.0074, 45.2725

Square

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



13.8269, 21.0074, 15.1305



17.0395, 21.0074, 48.8977



27.6991, 21.0074, 32.8893



23.2117, 21.0074, 8.2489

Rectangle

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



13.8269, 21.0074, 15.1305



13.9090, 21.0074, 33.7153



27.6991, 21.0074, 32.8893



27.5690, 21.0074, 14.6475

Sweetspot

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



13.8275, 21.0083, 15.1310



37.0351, 43.6103, 42.9248



16.3547, 22.4676, 8.1775



8.1107, 9.6613, 9.4028



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.8275, 21.0083, 15.1310



22.3617, 36.4693, 23.1098



16.0980, 21.9165, 27.0874



5.4399, 6.0682, 6.2825



9.5648, 17.7218, 7.5283



0.1024, 0.1738, 0.1295

Inverse Universe

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



15.3125, 10.2381, 14.5343



25.2920, 15.1825, 21.9069



13.7727, 9.6221, 6.4260



5.5226, 5.4696, 6.2503



11.2109, 5.6414, 6.7621



0.1183, 0.0584, 0.1233

Previews

White Background



This preview shows how the XYZ color 13.8269, 21.0074, 15.1305 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 13.8269, 21.0074, 15.1305 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 13.8269, 21.0074, 15.1305

Background



This preview shows how black text looks on a background with the XYZ color 13.8269, 21.0074, 15.1305.



This preview shows how white text looks on a background with the XYZ color 13.8269, 21.0074,

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

13.8269, 21.0074, 15.1305

Protanopia

19.3843, 20.8453, 13.1271

Deuteranopia

21.1396, 20.7650, 15.7258



Tritanopia

16.9128, 20.9810, 30.3525

Trichromacy



Original Color

13.8269, 21.0074, 15.1305

Protanomaly

16.4885, 20.3100, 13.8777

Deuteranomaly

17.3199, 20.1107, 15.5393

Tritanomaly

15.5806, 20.8540, 23.9729

Monochromacy



Original Color

13.8269, 21.0074, 15.1305

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

14.5090, 17.6815, 16.8355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8269, 21.0074, 15.1305 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(63, 141, 99)` looks like.

```
.text, #text, p{  
    color:rgb(63, 141, 99)  
}
```

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(63, 141, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 141, 99) }
```

Border

The CSS property to change the border of an element to XYZ 13.8269, 21.0074, 15.1305 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(63, 141, 99) }
```


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

```
.border{ border-color:rgb(63, 141, 99) }
```

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

Here you see how a box with a 4 pixel rgb(63, 141, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 141, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 141, 99);  
box-shadow:4px 4px 4px 4px rgb(63, 141,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8269, 21.0074, 15.1305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 141, 99) }
```

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

```
.background{ background-color: rgb(63, 141,  
99) }
```

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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