

Converting Colors

XYZ(12.1108, 19.5452, 8.8808)

Have a look what the booklet for
XYZ(12.1108, 19.5452, 8.8808)
contains.

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Color

**XYZ(12.1806, 19.6433,
8.9439)**

Conversions

Conversions Part 1

Format	Color
Hex	3E8A46
RGB	62, 138, 70
RGB Percent	24%, 54%, 27%
CMY	0.7569, 0.4588, 0.7255
CMYK	0.55, 0.00, 0.49, 0.46
HSL	126°, 38%, 39%
HSV	126°, 55%, 54%
XYZ	12.1806, 19.6433, 8.9439
YIQ	107.5240, -23.4680, -37.2600

Conversions

Conversions Part 2

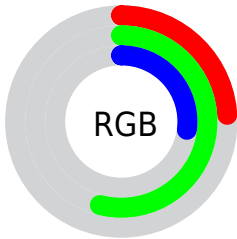
Format	Color
R_{YB}	62, 131, 138
Decimal	4098630
CIE _{Lab}	51.43, -38.57, 29.32
CIE _{LCh}	51, 48.448, 142.756
Yxy	19.6433, 0.2988, 0.4818
Android (android.graphics.Color)	4282288710 (0xFF3E8A46)
YUV	107.5240, -18.4993, -39.9245
Hunter-Lab	44.3208, -28.5045, 19.0599




Details

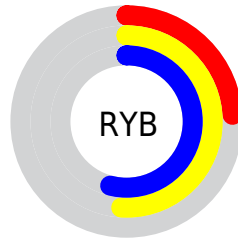
The XYZ color **12.1806, 19.6433, 8.9439** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.2338, 10.4606, 22.2833**, and the grayscale version is **14.1759, 14.9141, 16.2415**.




A 20% lighter version of the original color is **29.4423, 42.7683, 24.4726**, and **3.5628, 6.8783, 1.9505** is the 20% darker color. If you saturate the color by 10%, you get **11.0722, 19.1130, 7.0626**, and if you desaturate by 10%, it is **13.5899, 20.3206, 11.2585**.

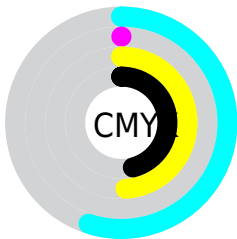
Distribution







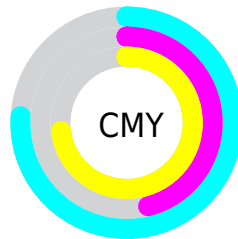
-  Red (24%)
-  Green (54%)
-  Blue (27%)






-  Red (24%)
-  Yellow (51%)
-  Blue (54%)



-  Cyan (55%)
-  Magenta (0%)
-  Yellow (49%)
-  Black (46%)



-  Cyan (76%)
-  Magenta (46%)
-  Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1806, 19.6433, 8.9439 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 12.1806, 19.6433, 8.9439 by changing the saturation by 10% instead.

■ 12.1806, 19.6433,
8.9439

■ 12.1806, 19.6433,
8.9439

199.3429,
249.9775, 193.1615

■ 6.9399, 12.1360,
4.6083

■ 29.4376, 42.8183,
24.3651

■ 3.4705, 6.8364,
1.9646

■ 42.1846, 59.2549,
36.2879

■ 1.4072, 3.3600,
0.5334

■ 58.1644, 79.4367,
51.5767

■ 0.2613, 1.3224,
0.0000

■ 77.7424, 103.7480,
70.6502

■ 0.0000, 0.1585,
0.0000

■ 101.2838,
132.5734, 93.9268

■ 0.0000, 0.0000,
0.0000

129.1542,

166.2972, 121.8253

161.7187,
205.3037, 154.7640

■ 12.1806, 19.6433,
8.9439

■ 12.1806, 19.6433,
8.9439

■ 11.0722, 19.1130,
7.0626

■ 13.5899, 20.3206,
11.2585

■ 10.2414, 18.7165,
5.5866

■ 15.3185, 21.1522,
14.0298

■ 9.6637, 18.4424,
4.4863

■ 17.3848, 22.1476,
17.2808

■ 9.3058, 18.2743,
3.7276

■ 19.8055, 23.3150,
21.0328

■ 9.1718, 18.2109,
3.4661

■ 22.5963, 24.6620,
25.3057

■ 25.7719, 26.1958,
30.1183

■ 29.3459, 27.9232,
35.4887

■ 33.3317, 29.8505,
41.4338

■ 37.7418, 31.9838,
47.9700

Harmonies

Analogous

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



15.2868, 19.6433, 4.9925



12.1806, 19.6433, 8.9439



10.8556, 19.6433, 18.1907

Triad

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



12.1806, 19.6433, 8.9439



17.5177, 19.6433, 60.3899



28.6712, 19.6433, 12.6230

Complementary

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



12.1806, 19.6433, 8.9439



16.2338, 10.4606, 22.2833

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.



29.5482, 19.6433, 24.9400



12.1806, 19.6433, 8.9439



22.5196, 19.6433, 56.7346

Square

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



12.1806, 19.6433, 8.9439



13.5708, 19.6433, 50.5161



27.1326, 19.6433, 41.9950



24.9100, 19.6433, 6.3829

Rectangle

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



12.1806, 19.6433, 8.9439



10.9646, 19.6433, 27.8521



27.1326, 19.6433, 41.9950



29.3369, 19.6433, 16.0108

Sweetspot

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



12.1811, 19.6441, 8.9443



33.8752, 40.5962, 35.4776



19.2262, 23.3033, 8.0422



7.4331, 9.0260, 7.7024



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.



12.1811, 19.6441, 8.9443



19.1312, 33.5047, 11.7781



13.7612, 20.2762, 17.2650



4.9919, 5.6162, 5.4782



8.4119, 16.6973, 3.1936



0.0583, 0.1119, 0.0339

Inverse Universe

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



16.2338, 10.4606, 22.2833



27.0192, 15.5855, 37.7078



14.1537, 9.6286, 11.3301



5.2116, 5.1201, 6.2025



12.9181, 6.2773, 17.8707



0.0888, 0.0429, 0.1346

Previews

White Background



This preview shows how the XYZ color 12.1806, 19.6433, 8.9439 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 12.1806, 19.6433, 8.9439 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 12.1806, 19.6433, 8.9439

Background



This preview shows how black text looks on a background with the XYZ color 12.1806, 19.6433, 8.9439.



This preview shows how white text looks on a background with the XYZ color 12.1806, 19.6433,

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

12.1806, 19.6433, 8.9439

Protanopia

17.7165, 19.3576, 7.6531

Deuteranopia

19.5480, 19.2018, 9.3326



Tritanopia

16.0148, 19.5506, 28.1289

Trichromacy



Original Color

12.1806, 19.6433, 8.9439

Protanomaly

14.8869, 19.0198, 8.0408

Deuteranomaly

15.6127, 18.6093, 9.0724

Tritanomaly

14.2297, 19.4293, 19.2199

Monochromacy



Original Color

12.1806, 19.6433, 8.9439

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

12.9316, 16.2260, 13.0400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1806, 19.6433, 8.9439 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(62, 138, 70)` looks like.

```
.text, #text, p{  
    color:rgb(62, 138, 70)  
}
```

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(62, 138, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 138, 70) }
```

Border

The CSS property to change the border of an element to XYZ 12.1806, 19.6433, 8.9439 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(62, 138, 70) }
```


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

```
.border{ border-color:rgb(62, 138, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 138, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 138, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 138, 70);  
box-shadow:4px 4px 4px 4px rgb(62, 138,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1806, 19.6433, 8.9439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 138, 70) }
```

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

```
.background{ background-color: rgb(62, 138,  
70) }
```

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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