

Converting Colors

XYZ(12.2270, 19.7596, 14.4788)

Have a look what the booklet for
XYZ(12.2270, 19.7596, 14.4788)
contains.

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Color

**XYZ(12.2270, 19.7596,
14.4788)**

Conversions

Conversions Part 1

Format	Color
Hex	278B61
RGB	39, 139, 97
RGB Percent	15%, 55%, 38%
CMY	0.8470, 0.4549, 0.6196
CMYK	0.72, 0.00, 0.30, 0.45
HSL	155°, 56%, 35%
HSV	155°, 72%, 55%
XYZ	12.2270, 19.7596, 14.4788
YIQ	104.3120, -46.1180, -34.2620

Conversions

Conversions Part 2

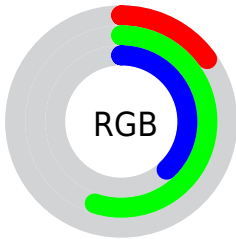
Format	Color
R _Y B	39, 102, 139
Decimal	2591585
CIE Lab	51.56, -38.82, 14.41
CIE LCh	52, 41.408, 159.639
Yxy	19.7596, 0.2631, 0.4253
Android (android.graphics.Color)	4280781665 (0xFF278B61)
YUV	104.3120, -3.6048, -57.2786
Hunter-Lab	44.4518, -28.6920, 11.8043

Details

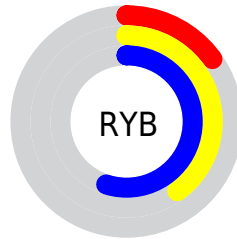
The XYZ color **12.2270, 19.7596, 14.4788** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.8589, 7.5346, 8.5622**, and the grayscale version is **13.2605, 13.9511, 15.1928**.

A 20% lighter version of the original color is **29.4523, 42.8747, 34.7403**, and **4.0654, 7.2097, 4.1950** is the 20% darker color. If you saturate the color by 10%, you get **11.5318, 19.4320, 13.0774**, and if you desaturate by 10%, it is **13.1362, 20.1962, 15.9957**.

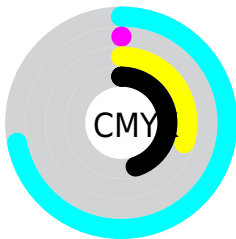
Distribution



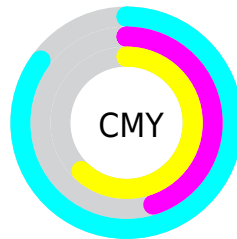
- Red (15%)
- Green (55%)
- Blue (38%)



- Red (15%)
- Yellow (40%)
- Blue (55%)



- Cyan (72%)
- Magenta (0%)
- Yellow (30%)
- Black (45%)





- Cyan (85%)
- Magenta (45%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.2270, 19.7596, 14.4788 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 12.2270, 19.7596, 14.4788 by changing the saturation by 10% instead.


 12.2270, 19.7596,
14.4788


 12.2270, 19.7596,
14.4788


199.6417,
250.6107, 231.7205


 6.9718, 12.2204,
8.3119


 29.5212, 43.0138,
34.6655


 3.4906, 6.8940,
4.2045


 42.2908, 59.4975,
49.5223


 1.4182, 3.3959,
1.7382

 58.2959, 79.7316,
68.1129

 0.2691, 1.3417,
0.3867

 77.9019, 104.1004,
90.8557

 0.0000, 0.1732,
0.0000

 101.4742,
132.9884, 118.1694

 0.0000, 0.0000,
0.0000

 129.3780,

166.7798, 150.4724

161.9787,
205.8591, 188.1832

■ 12.2270, 19.7596,
14.4788

■ 12.2270, 19.7596,
14.4788

■ 11.5318, 19.4320,
13.0774

■ 13.1362, 20.1962,
15.9957

■ 11.0263, 19.1995,
11.7868

■ 14.2773, 20.7495,
17.6298

■ 10.7039, 19.0543,
10.8236

■ 15.6678, 21.4289,
19.3845

■ 17.3231, 22.2424,
21.2625

■ 19.2573, 23.1971,
23.2665

■ 21.4835, 24.2999,
25.3991

■ 24.0140, 25.5570,
27.6626

■ 26.8603, 26.9742,
30.0595

■ 30.0332, 28.5571,
32.5921

Harmonies

Analogous

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



14.1197, 19.7596, 8.2419



12.2270, 19.7596, 14.4788



11.9383, 19.7596, 25.5898

Triad

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



12.2270, 19.7596, 14.4788



20.1545, 19.7596, 52.9870



25.6502, 19.7596, 9.9464

Complementary

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



12.2270, 19.7596, 14.4788



12.8589, 7.5346, 8.5622

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.



27.8378, 19.7596, 17.8972



12.2270, 19.7596, 14.4788



24.3692, 19.7596, 44.4605

Square

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



12.2270, 19.7596, 14.4788



16.1292, 19.7596, 50.9892



27.3372, 19.7596, 30.5254



21.7084, 19.7596, 6.3770

Rectangle

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



12.2270, 19.7596, 14.4788



12.6430, 19.7596, 34.9726



27.3372, 19.7596, 30.5254



26.6398, 19.7596, 12.0462

Sweetspot

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



12.2275, 19.7604, 14.4793



34.2856, 41.4419, 41.4659



13.1082, 20.4214, 5.1706



7.7034, 9.4520, 9.3562



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.



12.2275, 19.7604, 14.4793



20.0757, 34.5321, 22.0243



13.7941, 18.8893, 27.3459



5.0855, 5.6537, 5.9710



9.6691, 17.2002, 9.8141



0.0716, 0.1172, 0.1038

Inverse Universe

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



12.8589, 7.5346, 8.5622



21.3002, 11.2909, 10.8967



11.9783, 7.5640, 2.7485



5.1143, 5.0812, 5.6905



10.3162, 5.2366, 4.1693



0.0756, 0.0376, 0.0648

Previews

White Background



This preview shows how the XYZ color 12.2270, 19.7596, 14.4788 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 12.2270, 19.7596, 14.4788 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 12.2270, 19.7596, 14.4788

Background



This preview shows how black text looks on a background with the XYZ color 12.2270, 19.7596, 14.4788.



This preview shows how white text looks on a background with the XYZ color 12.2270, 19.7596,

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

12.2270, 19.7596, 14.4788

Protanopia

18.1228, 19.4656, 12.2533

Deuteranopia

19.7441, 19.3446, 15.2636



Tritanopia

15.2252, 19.7185, 29.3892

Trichromacy



Original Color

12.2270, 19.7596, 14.4788

Protanomaly

14.6879, 18.8077, 12.9813

Deuteranomaly

15.3428, 18.5304, 14.8247

Tritanomaly

13.9109, 19.5903, 23.1268

Monochromacy



Original Color

12.2270, 19.7596, 14.4788

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.0185, 15.3676, 14.6447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2270, 19.7596, 14.4788 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(39, 139, 97)` looks like.

```
.text, #text, p{  
    color:rgb(39, 139, 97)  
}
```

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(39, 139, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 139, 97) }
```

Border

The CSS property to change the border of an element to XYZ 12.2270, 19.7596, 14.4788 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(39, 139, 97) }
```


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

```
.border{ border-color:rgb(39, 139, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 139, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 139, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 139, 97);  
box-shadow:4px 4px 4px 4px rgb(39, 139,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2270, 19.7596, 14.4788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 139, 97) }
```

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

```
.background{ background-color: rgb(39, 139,  
97) }
```

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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