

Converting Colors

XYZ(14.1144, 20.5425, 12.3150)

Have a look what the booklet for
XYZ(14.1144, 20.5425, 12.3150)
contains.

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Color

**XYZ(14.1170, 20.5706,
12.2433)**

Conversions

Conversions Part 1

Format	Color
Hex	508A57
RGB	80, 138, 87
RGB Percent	31%, 54%, 34%
CMY	0.6863, 0.4588, 0.6588
CMYK	0.42, 0.00, 0.37, 0.46
HSL	127°, 27%, 43%
HSV	127°, 42%, 54%
XYZ	14.1170, 20.5706, 12.2433
YIQ	114.8440, -18.1970, -28.1570

Conversions

Conversions Part 2

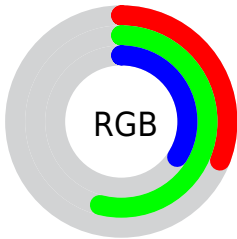
Format	Color
R_{YB}	80, 132, 138
Decimal	5278295
CIE _{Lab}	52.48, -30.36, 21.53
CIE _{LCh}	52, 37.223, 144.662
Yxy	20.5706, 0.3008, 0.4383
Android (android.graphics.Color)	4283468375 (0xFF508A57)
YUV	114.8440, -13.7271, -30.5582
Hunter-Lab	45.3548, -23.8116, 15.7433

Details

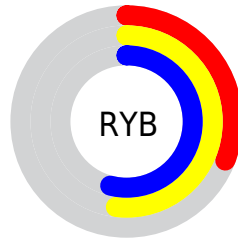
The XYZ color **14.1170, 20.5706, 12.2433** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.4472, 12.7795, 23.0203**, and the grayscale version is **16.2930, 17.1415, 18.6671**.

A 20% lighter version of the original color is **32.8807, 44.4110, 30.5061**, and **4.2873, 7.2234, 3.2661** is the 20% darker color. If you saturate the color by 10%, you get **12.6146, 19.8492, 9.7992**, and if you desaturate by 10%, it is **15.9432, 21.4504, 15.1385**.

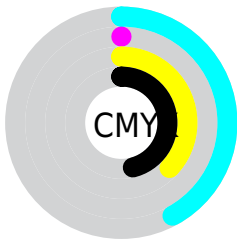
Distribution



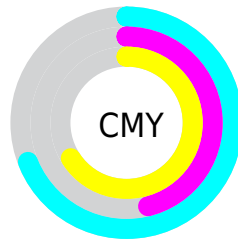
- Red (31%)
- Green (54%)
- Blue (34%)



- Red (31%)
- Yellow (52%)
- Blue (54%)



- Cyan (42%)
- Magenta (0%)
- Yellow (37%)
- Black (46%)



- Cyan (69%)
- Magenta (46%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.1170, 20.5706, 12.2433 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 14.1170, 20.5706, 12.2433 by changing the saturation by 10% instead.

■ 14.1170, 20.5706,
12.2433

■ 14.1170, 20.5706,
12.2433

211.4536,
254.9876, 217.0442

■ 8.2843, 12.8105,
6.7851

■ 32.8810, 44.3718,
30.6085

■ 4.3308, 7.2982,
3.2516

■ 46.5431, 61.1817,
44.3524

■ 1.8909, 3.6493,
1.2245

■ 63.5456, 81.7769,
61.6954

■ 0.5715, 1.4794,
0.0000

■ 84.2541, 106.5419,
83.0559

■ 0.0000, 0.2741,
0.0000

■ 109.0337,
135.8611, 108.8525

■ 0.0000, 0.0000,
0.0000

138.2500,

170.1188, 139.5038

172.2681,
209.6995, 175.4281

■ 14.1170, 20.5706,
12.2433

■ 14.1170, 20.5706,
12.2433

■ 12.6146, 19.8492,
9.7992

■ 15.9432, 21.4504,
15.1385

■ 11.4155, 19.2745,
7.7822

■ 18.1089, 22.4947,
18.5045

■ 10.4992, 18.8369,
6.1682


■ 20.6309, 23.7120,
22.3615


■ 9.8423, 18.5249,
4.9301

■ 23.5242, 25.1099,
26.7281


■ 9.4171, 18.3251,
4.0375


■ 26.8031, 26.6953,
31.6218

 9.1875, 18.2173,
3.5485

 30.4810, 28.4748,
37.0594

 34.5707, 30.4546,
43.0570

 39.0845, 32.6408,
49.6300

 44.0342, 35.0390,
56.7931

Harmonies

Analogous

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



16.6248, 20.5706, 8.1349



14.1170, 20.5706, 12.2433



13.0728, 20.5706, 20.4843

Triad

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



14.1170, 20.5706, 12.2433



18.8716, 20.5706, 50.8049



27.0740, 20.5706, 14.6701

Complementary

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



14.1170, 20.5706, 12.2433



17.4472, 12.7795, 23.0203

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.



27.8803, 20.5706, 24.4271



14.1170, 20.5706, 12.2433



22.8036, 20.5706, 47.6933

Square

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



14.1170, 20.5706, 12.2433



15.5778, 20.5706, 44.5052



26.2280, 20.5706, 37.0214



24.1499, 20.5706, 9.1799

Rectangle

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



14.1170, 20.5706, 12.2433



13.2331, 20.5706, 28.1994



26.2280, 20.5706, 37.0214



27.6166, 20.5706, 17.4522

Sweetspot

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



14.1175, 20.5715, 12.2438



35.7742, 41.5099, 38.5179



19.9336, 23.6012, 11.0942



7.8213, 9.2126, 8.3306



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.



14.1175, 20.5715, 12.2438



22.4653, 35.0969, 17.6529



15.5361, 21.1389, 19.7138



4.9948, 5.6174, 5.4938



8.4264, 16.7032, 3.2704



0.0587, 0.1121, 0.0362

Inverse Universe

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



17.4472, 12.7795, 23.0203



29.1107, 19.5276, 39.1471



15.7603, 12.1048, 14.1372



5.2083, 5.1188, 6.1854



12.7968, 6.2289, 17.2324



0.0884, 0.0427, 0.1324

Previews

White Background



This preview shows how the XYZ color 14.1170, 20.5706, 12.2433 looks on a white background.

Color Contrast Check

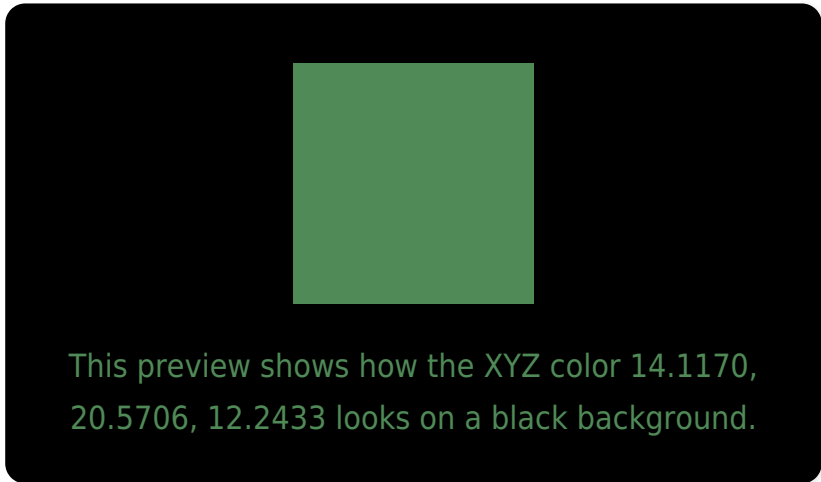
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 14.1170, 20.5706, 12.2433

Background



This preview shows how black text looks on a background with the XYZ color 14.1170, 20.5706, 12.2433.



This preview shows how white text looks on a background with the XYZ color 14.1170, 20.5706,

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

14.1170, 20.5706, 12.2433

Protanopia

18.8483, 20.4273, 10.9321

Deuteranopia

20.5178, 20.1520, 12.7059



Tritanopia

17.3132, 20.4097, 28.6182

Trichromacy



Original Color

14.1170, 20.5706, 12.2433

Protanomaly

16.6531, 20.2502, 11.4185

Deuteranomaly

17.4747, 19.8708, 12.5873

Tritanomaly

15.9684, 20.4816, 21.5241

Monochromacy



Original Color

14.1170, 20.5706, 12.2433

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.1123, 18.0106, 16.0445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.1170, 20.5706, 12.2433 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(80, 138, 87)` looks like.

```
.text, #text, p{  
    color:rgb(80, 138, 87)  
}
```

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(80, 138, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 138, 87) }
```

Border

The CSS property to change the border of an element to XYZ 14.1170, 20.5706, 12.2433 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(80, 138, 87) }
```


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

```
.border{ border-color:rgb(80, 138, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 138, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 138, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 138, 87);  
box-shadow:4px 4px 4px 4px rgb(80, 138,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 14.1170, 20.5706, 12.2433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 138, 87) }
```

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

```
.background{ background-color: rgb(80, 138,  
87) }
```

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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