

Converting Colors

XYZ(14.5061, 20.8016, 12.0979)

Have a look what the booklet for
XYZ(14.5061, 20.8016, 12.0979)
contains.

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Color

**XYZ(14.5145, 20.7801,
12.0501)**

Conversions

Conversions Part 1

Format	Color
Hex	558A56
RGB	85, 138, 86
RGB Percent	33%, 54%, 34%
CMY	0.6667, 0.4588, 0.6627
CMYK	0.38, 0.00, 0.38, 0.46
HSL	121°, 24%, 44%
HSV	121°, 38%, 54%
XYZ	14.5145, 20.7801, 12.0501
YIQ	116.2250, -14.8960, -27.4080

Conversions

Conversions Part 2

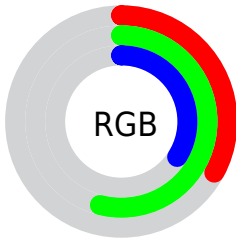
Format	Color
R_{YB}	85, 137, 138
Decimal	5605974
CIE _{Lab}	52.71, -28.90, 22.44
CIE _{LCh}	53, 36.589, 142.173
Yxy	20.7801, 0.3066, 0.4389
Android (android.graphics.Color)	4283796054 (0xFF558A56)
YUV	116.2250, -14.9009, -27.3843
Hunter-Lab	45.5852, -22.9390, 16.2368

Details

The XYZ color **14.5145, 20.7801, 12.0501** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.2457, 13.7068, 25.3516**, and the grayscale version is **16.7175, 17.5881, 19.1535**.

A 20% lighter version of the original color is **33.6101, 44.7952, 30.1675**, and **4.5659, 7.4900, 3.2125** is the 20% darker color. If you saturate the color by 10%, you get **12.8870, 19.9989, 9.3912**, and if you desaturate by 10%, it is **16.4908, 21.7304, 15.2658**.

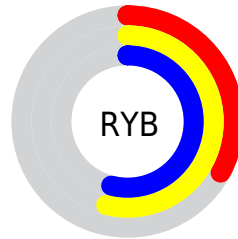
Distribution



Red (33%)

Green (54%)

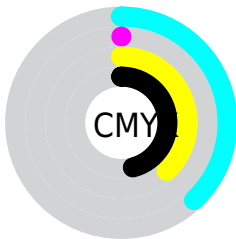
Blue (34%)



Red (33%)

Yellow (54%)

Blue (54%)

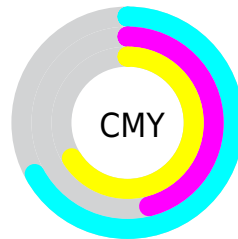


Cyan (38%)

Magenta (0%)

Yellow (38%)

Black (46%)



Cyan (67%)

Magenta (46%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.5145, 20.7801, 12.0501 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 14.5145, 20.7801, 12.0501 by changing the saturation by 10% instead.

■ 14.5145, 20.7801,
12.0501

■ 14.5145, 20.7801,
12.0501

213.8557,
256.1075, 215.7264

■ 8.5635, 12.9634,
6.6549

■ 33.5779, 44.7213,
30.2521

■ 4.5124, 7.4033,
3.1720

■ 47.4209, 61.6145,
43.8959

■ 1.9959, 3.7156,
1.1831

■ 64.6254, 82.3020,
61.1263

■ 0.6317, 1.5158,
0.0000

■ 85.5565, 107.1682,
82.3619

■ 0.0000, 0.2998,
0.0000

■ 110.5798,
136.5974, 108.0211

■ 0.0000, 0.0000,
0.0000

140.0605,

170.9741, 138.5226

174.3640,
210.6827, 174.2848

■ 14.5145, 20.7801,
12.0501

■ 14.5145, 20.7801,
12.0501

■ 12.8870, 19.9989,
9.3912

■ 16.4908, 21.7304,
15.2658

■ 11.5865, 19.3744,
7.2561

■ 18.8329, 22.8561,
19.0658

■ 10.5915, 18.8968,
5.6107


■ 21.5585, 24.1664,
23.4776


■ 9.8770, 18.5542,
4.4161


■ 24.6836, 25.6689,
28.5266


■ 9.4142, 18.3326,
3.6277

■ 28.2235, 27.3711,
34.2366


 9.1425, 18.2024,
3.1683

 32.1925, 29.2798,
40.6303

 9.1031, 18.1834,
3.1048

 36.6044, 31.4016,
47.7293

 41.4723, 33.7430,
55.5542

 46.8087, 36.3098,
64.1247

Harmonies

Analogous

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



17.1148, 20.7801, 8.2347



14.5145, 20.7801, 12.0501



13.3500, 20.7801, 19.8894

Triad

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



14.5145, 20.7801, 12.0501



18.7706, 20.7801, 50.4000



27.3352, 20.7801, 15.6000

Complementary

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



14.5145, 20.7801, 12.0501



18.2457, 13.7068, 25.3516

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.



27.9271, 20.7801, 25.6028



14.5145, 20.7801, 12.0501



22.6445, 20.7801, 48.1238

Square

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



14.5145, 20.7801, 12.0501



15.5929, 20.7801, 43.5547



26.1158, 20.7801, 38.0730



24.5891, 20.7801, 9.7775

Rectangle

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



14.5145, 20.7801, 12.0501



13.4243, 20.7801, 27.3412



26.1158, 20.7801, 38.0730



27.8058, 20.7801, 18.4867

Sweetspot

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



14.5150, 20.7810, 12.0506



36.0676, 41.6672, 38.2572



21.0647, 24.1621, 12.1480



7.9733, 9.2897, 8.3924



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.



14.5150, 20.7810, 12.0506



23.0869, 35.4289, 17.1622



15.7814, 21.2875, 18.7190



4.9754, 5.6097, 5.3916



8.3466, 16.6712, 2.8499



0.0559, 0.1109, 0.0212

Inverse Universe

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



18.2457, 13.7068, 25.3516



30.6244, 21.1336, 44.0336



16.5785, 13.0399, 16.5722



5.2298, 5.1274, 6.2988



13.6455, 6.5683, 21.7015



0.0913, 0.0439, 0.1473

Previews

White Background



This preview shows how the XYZ color 14.5145, 20.7801, 12.0501 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 14.5145, 20.7801, 12.0501 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 14.5145, 20.7801, 12.0501

Background



This preview shows how black text looks on a background with the XYZ color 14.5145, 20.7801, 12.0501.



This preview shows how white text looks on a background with the XYZ color 14.5145, 20.7801,

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

14.5145, 20.7801, 12.0501

Protanopia

18.9722, 20.4956, 10.7407

Deuteranopia

20.9564, 20.5607, 12.5369



Tritanopia

17.8227, 20.6724, 28.6420

Trichromacy



Original Color

14.5145, 20.7801, 12.0501

Protanomaly

16.8801, 20.3717, 11.2261

Deuteranomaly

17.9967, 20.3356, 12.4278

Tritanomaly

16.4516, 20.7306, 21.5467

Monochromacy



Original Color

14.5145, 20.7801, 12.0501

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.5832, 18.4385, 16.1023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5145, 20.7801, 12.0501 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(85, 138, 86)` looks like.

```
.text, #text, p{  
    color:rgb(85, 138, 86)  
}
```

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(85, 138, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 138, 86) }
```

Border

The CSS property to change the border of an element to XYZ 14.5145, 20.7801, 12.0501 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(85, 138, 86) }
```


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

```
.border{ border-color:rgb(85, 138, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 138, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 138, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 138, 86);  
box-shadow:4px 4px 4px 4px rgb(85, 138,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 14.5145, 20.7801, 12.0501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 138, 86) }
```

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

```
.background{ background-color: rgb(85, 138,  
86) }
```

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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