

Converting Colors

XYZ(14.4628, 20.6974, 12.9694)

Have a look what the booklet for
XYZ(14.4628, 20.6974, 12.9694)
contains.

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Color

**XYZ(14.5012, 20.7541,
12.9145)**

Conversions

Conversions Part 1

Format	Color
Hex	538A5A
RGB	83, 138, 90
RGB Percent	33%, 54%, 35%
CMY	0.6745, 0.4588, 0.6471
CMYK	0.40, 0.00, 0.35, 0.46
HSL	128°, 25%, 43%
HSV	128°, 40%, 54%
XYZ	14.5012, 20.7541, 12.9145
YIQ	116.0830, -17.3720, -26.5880

Conversions

Conversions Part 2

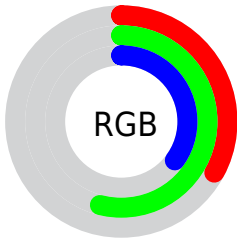
Format	Color
R_{YB}	83, 132, 138
Decimal	5474906
CIE _{Lab}	52.68, -28.86, 20.15
CIE _{LCh}	53, 35.196, 145.081
Yxy	20.7541, 0.3010, 0.4309
Android (android.graphics.Color)	4283664986 (0xFF538A5A)
YUV	116.0830, -12.8589, -29.0138
Hunter-Lab	45.5567, -22.9056, 15.0820

Details

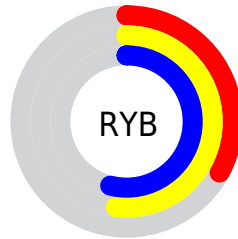
The XYZ color **14.5012, 20.7541, 12.9145** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.6719, 13.2289, 23.0955**, and the grayscale version is **16.6683, 17.5364, 19.0971**.

A 20% lighter version of the original color is **33.5749, 44.7436, 31.6777**, and **4.4585, 7.3053, 3.5580** is the 20% darker color. If you saturate the color by 10%, you get **12.9310, 19.9997, 10.3786**, and if you desaturate by 10%, it is **16.3980, 21.6684, 15.9003**.

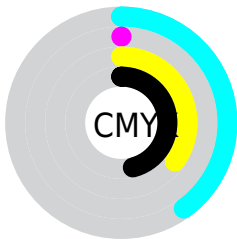
Distribution



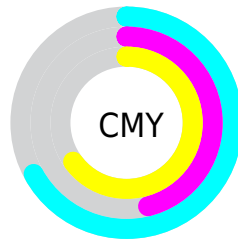
- Red (33%)
- Green (54%)
- Blue (35%)



- Red (33%)
- Yellow (52%)
- Blue (54%)



- Cyan (40%)
- Magenta (0%)
- Yellow (35%)
- Black (46%)



- Cyan (67%)
- Magenta (46%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.5012, 20.7541, 12.9145 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 14.5012, 20.7541, 12.9145 by changing the saturation by 10% instead.

■ 14.5012, 20.7541,
12.9145

■ 14.5012, 20.7541,
12.9145

213.7757,
255.9688, 221.5575

■ 8.5541, 12.9444,
7.2397

■ 33.5546, 44.6779,
31.8390

■ 4.5063, 7.3903,
3.5317

■ 47.3916, 61.5608,
45.9258

■ 1.9923, 3.7073,
1.3721

■ 64.5894, 82.2369,
63.6536

■ 0.6297, 1.5112,
0.1198

■ 85.5131, 107.0905,
85.4410

■ 0.0000, 0.2966,
0.0000

■ 110.5283,
136.5062, 111.7066

■ 0.0000, 0.0000,
0.0000

140.0002,

170.8681, 142.8688

174.2942,
210.5609, 179.3463

■ 14.5012, 20.7541,
12.9145

■ 14.5012, 20.7541,
12.9145

■ 12.9310, 19.9997,
10.3786

■ 16.3980, 21.6684,
15.9003

■ 11.6673, 19.3936,
8.2694

■ 18.6367, 22.7484,
19.3548

■ 10.6902, 18.9267,
6.5638


■ 21.2337, 24.0026,
23.2974


■ 9.9771, 18.5877,
5.2362


■ 24.2038, 25.4383,
27.7462


■ 9.5015, 18.3637,
4.2576


■ 27.5609, 27.0624,
32.7182


 9.1984, 18.2218,
3.5935

 31.3184, 28.8814,
38.2296

 9.1945, 18.2200,
3.5860

 35.4889, 30.9014,
44.2960

 40.0844, 33.1284,
50.9323

 45.1165, 35.5679,
58.1529

Harmonies

Analogous

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



16.8915, 20.7541, 8.8197



14.5012, 20.7541, 12.9145



13.5138, 20.7541, 20.9134

Triad

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



14.5012, 20.7541, 12.9145



19.1289, 20.7541, 49.2055



26.8094, 20.7541, 15.0872

Complementary

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



14.5012, 20.7541, 12.9145



17.6719, 13.2289, 23.0955

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.



27.5992, 20.7541, 24.3700



14.5012, 20.7541, 12.9145



22.8614, 20.7541, 46.2017

Square

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



14.5012, 20.7541, 12.9145



15.9666, 20.7541, 43.4737



26.0759, 20.7541, 36.2058



24.0339, 20.7541, 9.7751

Rectangle

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



14.5012, 20.7541, 12.9145



13.6827, 20.7541, 28.2562



26.0759, 20.7541, 36.2058



27.3294, 20.7541, 17.7500

Sweetspot

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



14.5017, 20.7550, 12.9150



36.2685, 41.7476, 39.3155



20.1013, 23.6745, 11.6940



8.0216, 9.3091, 8.6469



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.



14.5017, 20.7550, 12.9150



23.0008, 35.3518, 18.6350



15.8623, 21.2992, 20.0797



4.9961, 5.6179, 5.5005



8.4331, 16.7058, 3.3054



0.0589, 0.1121, 0.0372

Inverse Universe

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



17.6719, 13.2289, 23.0955



29.4038, 20.1334, 39.1845



16.0780, 12.5913, 14.7023



5.2069, 5.1182, 6.1781



12.7461, 6.2086, 16.9651



0.0882, 0.0427, 0.1314

Previews

White Background



This preview shows how the XYZ color 14.5012, 20.7541, 12.9145 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 14.5012, 20.7541, 12.9145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

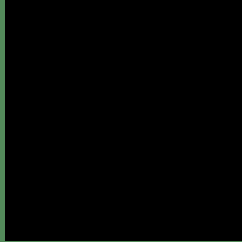
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.5012, 20.7541, 12.9145

Background



This preview shows how black text looks on a background with the XYZ color 14.5012, 20.7541, 12.9145.



This preview shows how white text looks on a background with the XYZ color 14.5012, 20.7541,

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

14.5012, 20.7541, 12.9145

Protanopia

19.1267, 20.5573, 11.5542

Deuteranopia

20.7695, 20.4441, 13.4411



Tritanopia

17.7498, 20.8352, 28.6773

Trichromacy



Original Color

14.5012, 20.7541, 12.9145

Protanomaly

17.0390, 20.4353, 12.0632

Deuteranomaly

17.8773, 20.2541, 13.3231

Tritanomaly

16.3167, 20.6539, 21.8655

Monochromacy



Original Color

14.5012, 20.7541, 12.9145

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.5704, 18.4199, 16.6447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5012, 20.7541, 12.9145 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(83, 138, 90)` looks like.

```
.text, #text, p{  
    color:rgb(83, 138, 90)  
}
```

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(83, 138, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 138, 90) }
```

Border

The CSS property to change the border of an element to XYZ 14.5012, 20.7541, 12.9145 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(83, 138, 90) }
```


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

```
.border{ border-color:rgb(83, 138, 90) }
```

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

Here you see how a box with a 4 pixel rgb(83, 138, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 138, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 138, 90);  
box-shadow:4px 4px 4px 4px rgb(83, 138,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 14.5012, 20.7541, 12.9145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 138, 90) }
```

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

```
.background{ background-color: rgb(83, 138,  
90) }
```

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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