

Converting Colors

XYZ(12.1531, 14.9539, 13.3122)

Have a look what the booklet for
XYZ(12.1531, 14.9539, 13.3122)
contains.

XYZ(12.1531, 14.9539, 13.3122)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.1531, 14.9539,
13.3122)**

Conversions

Conversions Part 1

Format	Color
Hex	587260
RGB	88, 114, 96
RGB Percent	35%, 45%, 38%
CMY	0.6549, 0.5529, 0.6235
CMYK	0.23, 0.00, 0.16, 0.55
HSL	138°, 13%, 40%
HSV	138°, 23%, 45%
XYZ	12.1531, 14.9539, 13.3122
YIQ	104.1740, -9.7180, -11.1100

Conversions

Conversions Part 2

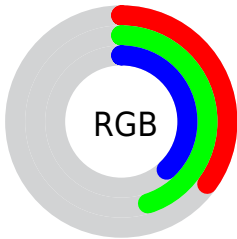
Format	Color
R_{YB}	88, 108, 114
Decimal	5796448
CIE Lab	45.57, -13.50, 6.89
CIE LCh	46, 15.155, 152.948
Yxy	14.9539, 0.3007, 0.3700
Android (android.graphics.Color)	4283986528 (0xFF587260)
YUV	104.1740, -4.0298, -14.1846
Hunter-Lab	38.6703, -11.5749, 6.6587

Details

The XYZ color **12.1531, 14.9539, 13.3122** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.0311, 11.5977, 15.1879**, and the grayscale version is **13.2173, 13.9057, 15.1433**.

A 20% lighter version of the original color is **29.3839, 34.7823, 32.7687**, and **3.4788, 4.6190, 3.7258** is the 20% darker color. If you saturate the color by 10%, you get **10.8120, 14.3028, 11.4470**, and if you desaturate by 10%, it is **13.7004, 15.7078, 15.3782**.

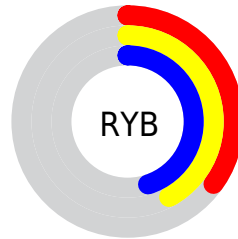
Distribution



 Red (35%)

 Green (45%)

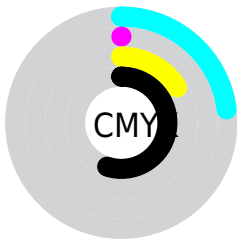
 Blue (38%)




 Red (35%)

 Yellow (42%)

 Blue (45%)

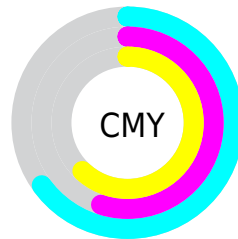


 Cyan (23%)


 Magenta (0%)

 Yellow (16%)

 Black (55%)



 Cyan (65%)

 Magenta (55%)

 Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1531, 14.9539, 13.3122 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 12.1531, 14.9539, 13.3122 by changing the saturation by 10% instead.

12.1531, 14.9539,
13.3122

12.1531, 14.9539,
13.3122

199.1655,
223.0870, 224.1866

6.9210, 8.7870,
7.5106

29.3881, 34.7723,
32.5629

3.4586, 4.6025,
3.7002

42.1216, 49.1926,
46.8491

1.4007, 2.0160,
1.4624

58.0864, 67.1329,
64.8006

0.2567, 0.6167,
0.1896

77.6477, 88.9774,
86.8360

0.0000, 0.0000,
0.0000

101.1709,
115.1108, 113.3737

129.0214,

145.9172, 144.8324

161.5645,
181.7812, 181.6305

■ 12.1531, 14.9539,
13.3122

■ 12.1531, 14.9539,
13.3122

■ 10.8120, 14.3028,
11.4470

■ 13.7004, 15.7078,
15.3782

■ 9.6668, 13.7483,
9.7755

■ 15.4608, 16.5669,
17.6497

■ 8.7085, 13.2861,
8.2919

■ 17.4428, 17.5358,
20.1325

■ 7.9266, 12.9111,
6.9894

■ 19.6538, 18.6181,
22.8321

■ 7.3097, 12.6174,
5.8610

■ 22.1008, 19.8175,
25.7534

■ 6.8450, 12.3986,
4.8992

■ 24.7907, 21.1373,
28.9014

■ 6.5162, 12.2466,
4.0958

■ 27.7301, 22.5808,
32.2809

■ 6.3222, 12.1571,
3.6096

■ 30.9251, 24.1512,
35.8966

■ 34.3818, 25.8514,
39.7529

Harmonies

Analogous

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



12.9296, 14.9539, 11.1034



12.1531, 14.9539, 13.3122



11.9176, 14.9539, 16.6436

Triad

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



12.1531, 14.9539, 13.3122



14.3388, 14.9539, 24.2866



16.3560, 14.9539, 12.7764

Complementary

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



12.1531, 14.9539, 13.3122



13.0311, 11.5977, 15.1879

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.



16.7863, 14.9539, 15.9262



12.1531, 14.9539, 13.3122



15.5791, 14.9539, 22.8632

Square

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



12.1531, 14.9539, 13.3122



13.1343, 14.9539, 23.3159



16.4939, 14.9539, 19.6641



15.3496, 14.9539, 10.8279

Rectangle

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



12.1531, 14.9539, 13.3122



12.0868, 14.9539, 19.1554



16.4939, 14.9539, 19.6641



16.5754, 14.9539, 13.7118

Sweetspot

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



12.1535, 14.9545, 13.3125



25.7685, 28.4283, 29.2242



13.7470, 15.8164, 11.5609



5.9326, 6.5614, 6.7241



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.1535, 14.9545, 13.3125



20.1602, 25.6968, 21.7477



12.7918, 15.2099, 16.6739



3.3834, 3.7786, 3.8254



7.0305, 13.5297, 3.9811



34.6762, 67.2591, 18.0120

Inverse Universe

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



13.0311, 11.5977, 15.1879



21.9702, 18.7713, 25.6138



12.4142, 11.3509, 11.9392



3.4728, 3.4368, 4.0166



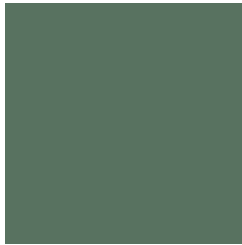
9.2852, 4.6065, 8.5778



45.8550, 22.7873, 40.6302

Previews

White Background



This preview shows how the XYZ color 12.1531, 14.9539, 13.3122 looks on a white 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

Black Background



This preview shows how the XYZ color 12.1531, 14.9539, 13.3122 looks on a black 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

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

XYZ 12.1531, 14.9539, 13.3122

Background



This preview shows how black text looks on a background with the XYZ color 12.1531, 14.9539, 13.3122.



This preview shows how white text looks on a background with the XYZ color 12.1531, 14.9539,

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

12.1531, 14.9539, 13.3122

Protanopia

14.0435, 14.8164, 12.4756

Deuteranopia

15.0401, 14.8474, 13.6284



Tritanopia

13.4882, 15.0003, 19.9537

Trichromacy



Original Color

12.1531, 14.9539, 13.3122

Protanomaly

13.3052, 14.9031, 12.7650

Deuteranomaly

13.8269, 14.8394, 13.4448

Tritanomaly

12.9778, 14.9602, 17.2425

Monochromacy



Original Color

12.1531, 14.9539, 13.3122

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.7485, 14.2614, 14.3927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1531, 14.9539, 13.3122 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(88, 114, 96) looks like.

```
.text, #text, p{  
    color:rgb(88, 114, 96)  
}
```

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(88, 114, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 114, 96) }
```

Border

The CSS property to change the border of an element to XYZ 12.1531, 14.9539, 13.3122 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(88, 114, 96) }
```


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

```
.border{ border-color:rgb(88, 114, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 114, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 114, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 114, 96);  
box-shadow:4px 4px 4px 4px rgb(88, 114,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1531, 14.9539, 13.3122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 114, 96) }
```

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

```
.background{ background-color: rgb(88, 114,  
96) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor