

Converting Colors

XYZ(15.9564, 18.5320, 12.1872)

Have a look what the booklet for
XYZ(15.9564, 18.5320, 12.1872)
contains.

XYZ(15.9564, 18.5320, 12.1872)	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(15.9564, 18.5320,
12.1872)**

Conversions

Conversions Part 1

Format	Color
Hex	737B59
RGB	115, 123, 89
RGB Percent	45%, 48%, 35%
CMY	0.5490, 0.5176, 0.6510
CMYK	0.07, 0.00, 0.28, 0.52
HSL	74°, 16%, 42%
HSV	74°, 28%, 48%
XYZ	15.9564, 18.5320, 12.1872
YIQ	116.7320, 6.1460, -12.2700

Conversions

Conversions Part 2

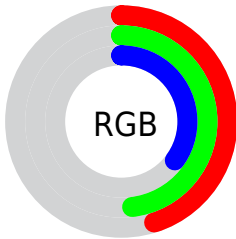
Format	Color
R_{YB}	89, 123, 97
Decimal	7568217
CIE _{Lab}	50.14, -9.24, 17.64
CIE _{LCh}	50, 19.914, 117.642
Yxy	18.5320, 0.3419, 0.3970
Android (android.graphics.Color)	4285758297 (0xFF737B59)
YUV	116.7320, -13.6719, -1.5190
Hunter-Lab	43.0488, -9.1729, 13.3491

Details

The XYZ color **15.9564, 18.5320, 12.1872** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12.0779, 11.1166, 20.2490**, and the grayscale version is **16.8656, 17.7439, 19.3231**.

A 20% lighter version of the original color is **35.9265, 40.7395, 30.3961**, and **5.1316, 6.2302, 3.2176** is the 20% darker color. If you saturate the color by 10%, you get **15.1079, 18.1499, 9.6729**, and if you desaturate by 10%, it is **16.9041, 18.9564, 15.1575**.

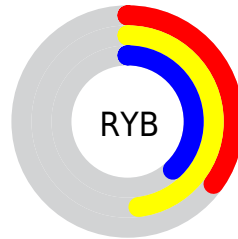
Distribution



Red (45%)

Green (48%)

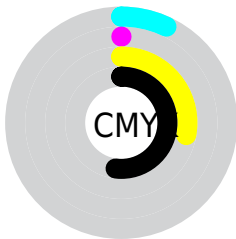
Blue (35%)



Red (35%)

Yellow (48%)

Blue (38%)

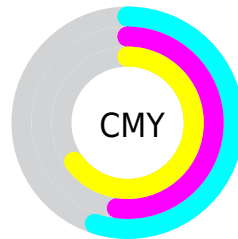


Cyan (7%)

Magenta (0%)

Yellow (28%)

Black (52%)



Cyan (55%)

Magenta (52%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9564, 18.5320, 12.1872 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 15.9564, 18.5320, 12.1872 by changing the saturation by 10% instead.

■ 15.9564, 18.5320,
12.1872

■ 15.9564, 18.5320,
12.1872

222.3598,
243.8528, 216.6624

■ 9.5840, 11.3326,
6.7472

■ 36.0806, 40.9418,
30.5051

■ 5.1841, 6.2910,
3.2285

■ 50.5630, 56.9209,
44.2200

■ 2.3916, 3.0228,
1.2124

■ 68.4794, 76.5955,
61.5304

■ 0.8409, 1.1437,
0.0000

■ 90.1953, 100.3498,
82.8548

■ 0.0000, 0.0150,
0.0000

■ 116.0759,
128.5683, 108.6116

■ 0.0000, 0.0000,
0.0000

146.4866,

161.6354, 139.2194

181.7928,
199.9354, 175.0969

■ 15.9564, 18.5320,
12.1872

■ 15.9564, 18.5320,
12.1872

■ 15.1079, 18.1499,
9.6729

■ 16.9041, 18.9564,
15.1575

■ 14.3529, 17.8060,
7.5909

■ 17.9538, 19.4223,
18.6036

■ 13.6870, 17.4991,
5.9169

■ 19.1096, 19.9321,
22.5456

■ 13.1050, 17.2271,
4.6241

■ 20.3754, 20.4873,
27.0021

■ 12.6010, 16.9876,
3.6823

■ 21.7544, 21.0893,
31.9908

■ 12.1684, 16.7780,
3.0565

■ 23.2501, 21.7393,
37.5284

■ 11.7913, 16.5919,
2.6643

■ 24.8656, 22.4387,
43.6311

■ 11.7051, 16.5492,
2.5774

■ 26.6038, 23.1886,
50.3141

■ 28.4677, 23.9904,
57.5924

Harmonies

Analogous

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



17.7664, 18.5320, 11.3513



15.9564, 18.5320, 12.1872



14.6763, 18.5320, 15.0325

Triad

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



15.9564, 18.5320, 12.1872



15.7114, 18.5320, 30.4907



21.5658, 18.5320, 20.6162

Complementary

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



15.9564, 18.5320, 12.1872



12.0779, 11.1166, 20.2490

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.



20.9199, 18.5320, 26.3816



15.9564, 18.5320, 12.1872



17.4627, 18.5320, 32.6914

Square

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



15.9564, 18.5320, 12.1872



14.5423, 18.5320, 25.4911



19.3828, 18.5320, 31.0669



21.0907, 18.5320, 15.6601

Rectangle

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



15.9564, 18.5320, 12.1872



14.2487, 18.5320, 17.9992



19.3828, 18.5320, 31.0669



21.4716, 18.5320, 22.5263

Sweetspot

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



15.9569, 18.5328, 12.1876



32.0401, 34.7305, 32.9482



14.2407, 13.4698, 11.3008



7.4857, 8.1529, 7.5592



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



15.9569, 18.5328, 12.1876



27.6153, 32.7546, 18.9527



13.9309, 17.4884, 12.0928



4.2199, 4.5887, 4.2878



12.1033, 17.1167, 2.6659



56.9539, 81.2462, 12.6803

Inverse Universe

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



12.0779, 11.1166, 20.2490



19.4877, 17.2104, 35.8514



14.0789, 12.1482, 20.3426



3.8778, 3.9349, 4.9983



4.2167, 1.7466, 19.5002



19.4703, 7.9993, 92.9876

Previews

White Background



This preview shows how the XYZ color 15.9564, 18.5320, 12.1872 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 15.9564, 18.5320, 12.1872 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 15.9564, 18.5320, 12.1872

Background



This preview shows how black text looks on a background with the XYZ color 15.9564, 18.5320, 12.1872.



This preview shows how white text looks on a background with the XYZ color 15.9564, 18.5320,

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

15.9564, 18.5320, 12.1872

Protanopia

17.2192, 18.4710, 11.6745

Deuteranopia

18.7209, 18.3654, 12.4557



Tritanopia

18.0549, 18.4822, 22.6945

Trichromacy



Original Color

15.9564, 18.5320, 12.1872

Protanomaly

16.6463, 18.3485, 11.8968

Deuteranomaly

17.5668, 18.2861, 12.2766

Tritanomaly

17.1683, 18.4767, 18.2843

Monochromacy



Original Color

15.9564, 18.5320, 12.1872

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.4531, 17.9682, 16.5110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9564, 18.5320, 12.1872 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(115, 123, 89)` looks like.

```
.text, #text, p{  
    color:rgb(115, 123, 89)  
}
```

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(115, 123, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 123, 89) }
```

Border

The CSS property to change the border of an element to XYZ 15.9564, 18.5320, 12.1872 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(115, 123, 89) }
```


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

```
.border{ border-color:rgb(115, 123, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 123, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 123, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 123, 89);  
box-shadow:4px 4px 4px 4px rgb(115, 123,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9564, 18.5320, 12.1872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 123, 89) }
```

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

```
.background{ background-color: rgb(115,  
123, 89) }
```

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