

Converting Colors

XYZ(11.6196, 12.3729, 9.5849)

Have a look what the booklet for
XYZ(11.6196, 12.3729, 9.5849)
contains.

XYZ(11.6560, 12.4608, 9.5754)	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(11.6560, 12.4608,
9.5754)**

Conversions

Conversions Part 1

Format	Color
Hex	686351
RGB	104, 99, 81
RGB Percent	41%, 39%, 32%
CMY	0.5922, 0.6118, 0.6823
CMYK	0.00, 0.05, 0.22, 0.59
HSL	47°, 12%, 36%
HSV	47°, 22%, 41%
XYZ	11.6560, 12.4608, 9.5754
YIQ	98.4430, 8.7580, -4.5380

Conversions

Conversions Part 2

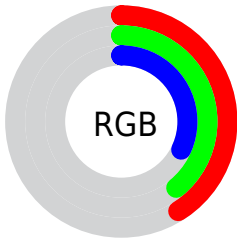
Format	Color
R_{YB}	87, 104, 81
Decimal	6841169
CIE Lab	41.94, -1.33, 10.96
CIE LCh	42, 11.036, 96.900
Yxy	12.4608, 0.3460, 0.3698
Android (android.graphics.Color)	4285031249 (0xFF686351)
YUV	98.4430, -8.5994, 4.8735
Hunter-Lab	35.2999, -2.8341, 8.6270

Details

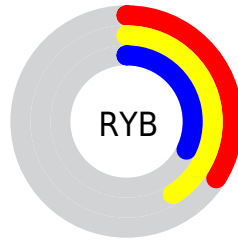
The XYZ color **11.6560, 12.4608, 9.5754** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **9.2199, 9.4043, 14.4262**, and the grayscale version is **11.7395, 12.3509, 13.4501**.

A 20% lighter version of the original color is **28.4532, 30.3930, 25.4859**, and **3.2789, 3.5434, 2.1802** is the 20% darker color. If you saturate the color by 10%, you get **11.0845, 11.8948, 7.6060**, and if you desaturate by 10%, it is **12.2939, 13.0638, 11.8620**.

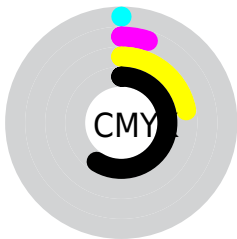
Distribution



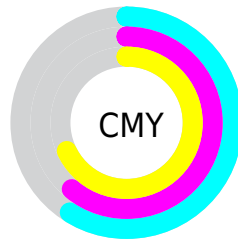
- Red (41%)
- Green (39%)
- Blue (32%)



- Red (34%)
- Yellow (41%)
- Blue (32%)



- Cyan (0%)
- Magenta (5%)
- Yellow (22%)
- Black (59%)



- Cyan (59%)
- Magenta (61%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6560, 12.4608, 9.5754 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 11.6560, 12.4608, 9.5754 by changing the saturation by 10% instead.

■ 11.6560, 12.4608,
9.5754

■ 11.6560, 12.4608,
9.5754

195.9312,
207.4325, 197.9876

■ 6.5804, 7.0583,
5.0165

■ 28.4893, 30.3316,
25.5890

■ 3.2451, 3.4986,
2.1980

■ 40.9778, 43.5688,
37.8806

■ 1.2847, 1.3972,
0.6732

■ 56.6679, 60.1862,
53.5870

■ 0.1717, 0.2147,
0.0000

■ 75.9251, 80.5684,
73.1266

■ 0.0000, 0.0000,
0.0000

■ 99.1147, 105.0998,
96.9179

126.6020,

134.1646, 125.3794

158.7524,
168.1474, 158.9298

■ 11.6560, 12.4608,
9.5754

■ 11.6560, 12.4608,
9.5754

■ 11.0845, 11.8948,
7.6060

■ 12.2939, 13.0638,
11.8620

■ 10.5757, 11.3629,
5.9387

■ 12.9998, 13.7033,
14.4785

■ 10.1269, 10.8645,
4.5584

■ 13.7765, 14.3808,
17.4377

■ 9.7349, 10.3982,
3.4484

■ 14.6263, 15.0974,
20.7514

■ 9.3961, 9.9624,
2.5901

■ 15.5514, 15.8540,
24.4312

■ 9.1066, 9.5556,
1.9628

■ 16.5539, 16.6515,
28.4878

■ 8.8611, 9.1754,
1.5395

■ 17.6358, 17.4908,
32.9317

■ 8.6812, 8.8875,
1.2579

■ 18.7991, 18.3728,
37.7729

■ 20.0456, 19.2982,
43.0210

Harmonies

Analogous

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



12.4704, 12.4608, 9.8377



11.6560, 12.4608, 9.5754



10.9257, 12.4608, 10.2802

Triad

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



11.6560, 12.4608, 9.5754



10.6319, 12.4608, 16.4505



13.3473, 12.4608, 15.4094

Complementary

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



11.6560, 12.4608, 9.5754



9.2199, 9.4043, 14.4262

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.



12.8115, 12.4608, 17.4905



11.6560, 12.4608, 9.5754



11.2382, 12.4608, 18.1382

Square

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



11.6560, 12.4608, 9.5754



10.3523, 12.4608, 14.1151



12.0332, 12.4608, 18.5391



13.4717, 12.4608, 13.0346

Rectangle

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



11.6560, 12.4608, 9.5754



10.5764, 12.4608, 11.2573



12.0332, 12.4608, 18.5391



13.2082, 12.4608, 16.1744

Sweetspot

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



11.6563, 12.4614, 9.5757



22.1621, 23.4625, 22.9944



10.3461, 9.5059, 10.1714



5.3966, 5.7148, 5.5715



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



11.6563, 12.4614, 9.5757



19.8695, 21.2933, 14.7820



11.4583, 13.0842, 9.7063



2.9924, 3.1722, 3.0290



10.6778, 10.9087, 1.5428



55.0318, 55.5775, 7.8270

Inverse Universe

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



9.2199, 9.4043, 14.4262



14.7072, 14.8170, 25.0619



9.3842, 8.9172, 14.3235



2.7366, 2.8512, 3.5381



3.4264, 1.9246, 16.3352



17.3216, 8.9398, 85.0140

Previews

White Background



This preview shows how the XYZ color 11.6560, 12.4608, 9.5754 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 11.6560, 12.4608, 9.5754 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

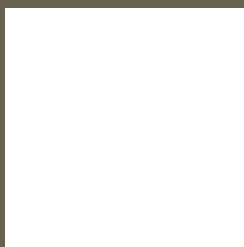
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.6560, 12.4608, 9.5754

Background



This preview shows how black text looks on a background with the XYZ color 11.6560, 12.4608, 9.5754.



This preview shows how white text looks on a background with the XYZ color 11.6560, 12.4608,

9.5754.

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

11.6560, 12.4608, 9.5754

Protanopia

11.7727, 12.5210, 9.5809

Deuteranopia

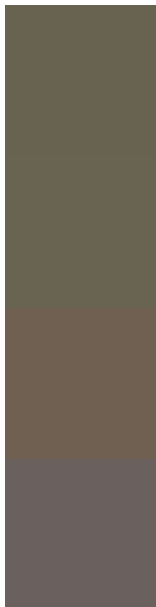
12.6854, 12.4385, 9.7149



Tritanopia

12.6945, 12.4708, 14.5700

Trichromacy



Original Color

11.6560, 12.4608, 9.5754

Protanomaly

11.7727, 12.5210, 9.5809

Deuteranomaly

12.2614, 12.3544, 9.7210

Tritanomaly

12.2841, 12.4398, 12.5801

Monochromacy



Original Color

11.6560, 12.4608, 9.5754

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.5550, 12.2174, 11.8744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6560, 12.4608, 9.5754 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(104, 99, 81)` looks like.

```
.text, #text, p{  
    color:rgb(104, 99, 81)  
}
```

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(104, 99, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 99, 81) }
```

Border

The CSS property to change the border of an element to XYZ 11.6560, 12.4608, 9.5754 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(104, 99, 81) }
```


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

```
.border{ border-color:rgb(104, 99, 81) }
```

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

Here you see how a box with a 4 pixel rgb(104, 99, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 99, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 99, 81);  
box-shadow:4px 4px 4px 4px rgb(104, 99,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6560, 12.4608, 9.5754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 99, 81) }
```

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

```
.background{ background-color: rgb(104, 99,  
81) }
```

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