

Converting Colors

XYZ(12.5745, 14.7161, 12.3964)

Have a look what the booklet for
XYZ(12.5745, 14.7161, 12.3964)
contains.

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Color

**XYZ(12.5460, 14.6830,
12.2981)**

Conversions

Conversions Part 1

Format	Color
Hex	616F5C
RGB	97, 111, 92
RGB Percent	38%, 44%, 36%
CMY	0.6196, 0.5647, 0.6392
CMYK	0.13, 0.00, 0.17, 0.56
HSL	104°, 9%, 40%
HSV	104°, 17%, 44%
XYZ	12.5460, 14.6830, 12.2981
YIQ	104.6480, -2.2450, -8.8770

Conversions

Conversions Part 2

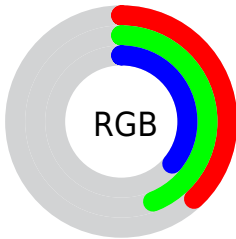
Format	Color
R_{YB}	92, 111, 106
Decimal	6385500
CIE _{Lab}	45.20, -9.20, 8.84
CIE _{LCh}	45, 12.755, 136.156
Yxy	14.6830, 0.3174, 0.3715
Android (android.graphics.Color)	4284575580 (0xFF616F5C)
YUV	104.6480, -6.2355, -6.7073
Hunter-Lab	38.3184, -8.6137, 7.7941

Details

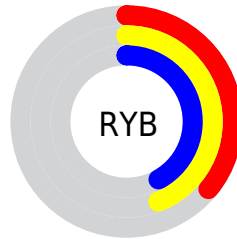
The XYZ color **12.5460, 14.6830, 12.2981** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.6409, 11.8666, 16.6640**, and the grayscale version is **13.3492, 14.0444, 15.2944**.

A 20% lighter version of the original color is **30.1924, 34.4433, 30.6481**, and **3.5860, 4.4304, 3.2509** is the 20% darker color. If you saturate the color by 10%, you get **11.2689, 14.0771, 9.8883**, and if you desaturate by 10%, it is **13.9849, 15.3650, 15.0873**.

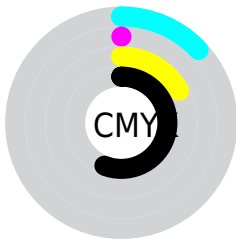
Distribution



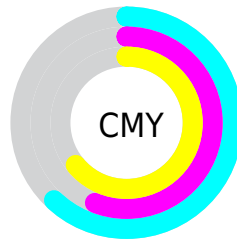
- Red (38%)
- Green (44%)
- Blue (36%)



- Red (36%)
- Yellow (44%)
- Blue (42%)



- Cyan (13%)
- Magenta (0%)
- Yellow (17%)
- Black (56%)



- Cyan (62%)
- Magenta (56%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5460, 14.6830, 12.2981 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 12.5460, 14.6830, 12.2981 by changing the saturation by 10% instead.

■ 12.5460, 14.6830,
12.2981

■ 12.5460, 14.6830,
12.2981

201.6842,
221.4394, 217.4164

■ 7.1915, 8.5972,
6.8220

■ 30.0940, 34.2961,
30.7094

■ 3.6295, 4.4794,
3.2743

■ 43.0182, 48.5922,
44.4816

■ 1.4948, 1.9452,
1.2363

■ 59.1964, 66.3939,
61.8564

■ 0.3223, 0.5753,
0.0088

■ 78.9939, 88.0855,
83.2522

■ 0.0000, 0.0000,
0.0000

102.7761,
114.0515, 109.0875

130.9083,

144.6762, 139.7810

163.7558,
180.3440, 175.7511

■ 12.5460, 14.6830,
12.2981

■ 12.5460, 14.6830,
12.2981

■ 11.2689, 14.0771,
9.8883

■ 13.9849, 15.3650,
15.0873

■ 10.1466, 13.5427,
7.8406

■ 15.5900, 16.1236,
18.2703

■ 9.1735, 13.0777,
6.1378

■ 17.3667, 16.9619,
21.8620

■ 8.3428, 12.6791,
4.7608

■ 19.3202, 17.8822,
25.8760

■ 7.6475, 12.3436,
3.6889

■ 21.4552, 18.8865,
30.3256

■ 7.0798, 12.0679,
2.8987

■ 23.7763, 19.9771,
35.2232

■ 6.6312, 11.8480,
2.3636

■ 26.2880, 21.1559,
40.5810

■ 6.2845, 11.6766,
2.0144

■ 28.9944, 22.4249,
46.4106

■ 6.1973, 11.6337,
1.9189

■ 31.8998, 23.7860,
52.7230

Harmonies

Analogous

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



13.4000, 14.6830, 11.0400



12.5460, 14.6830, 12.2981



12.0810, 14.6830, 14.6398

Triad

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



12.5460, 14.6830, 12.2981



13.4769, 14.6830, 22.3033



15.9919, 14.6830, 14.4277

Complementary

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



12.5460, 14.6830, 12.2981



12.6409, 11.8666, 16.6640

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.



16.0151, 14.6830, 17.4151



12.5460, 14.6830, 12.2981



14.5267, 14.6830, 22.2277

Square

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



12.5460, 14.6830, 12.2981



12.5999, 14.6830, 20.5440



15.4673, 14.6830, 20.3491



15.4055, 14.6830, 12.1597

Rectangle

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



12.5460, 14.6830, 12.2981



12.0382, 14.6830, 16.6171



15.4673, 14.6830, 20.3491



16.0668, 14.6830, 15.3736

Sweetspot

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



12.5464, 14.6836, 12.2984



25.5867, 27.7703, 28.0877



13.6351, 14.4472, 12.1954



6.1108, 6.6545, 6.6765



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.



12.5464, 14.6836, 12.2984



21.4115, 25.7922, 20.0172



12.2299, 14.4974, 13.3253



3.4198, 3.8018, 3.6269



7.2797, 13.6966, 2.2600



35.5533, 67.8624, 11.2249

Inverse Universe

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



12.6409, 11.8666, 16.6640



21.6177, 19.6224, 29.5779



13.0143, 12.0867, 15.4384



3.4329, 3.4115, 4.2318



7.4355, 3.4426, 17.9942



36.1974, 16.7148, 89.5976

Previews

White Background



This preview shows how the XYZ color 12.5460, 14.6830, 12.2981 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 12.5460, 14.6830, 12.2981 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

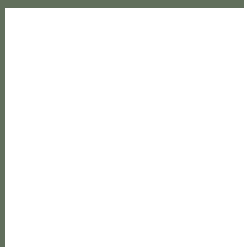
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.5460, 14.6830, 12.2981

Background



This preview shows how black text looks on a background with the XYZ color 12.5460, 14.6830, 12.2981.



This preview shows how white text looks on a background with the XYZ color 12.5460, 14.6830,

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

12.5460, 14.6830, 12.2981

Protanopia

13.9132, 14.7643, 11.7893

Deuteranopia

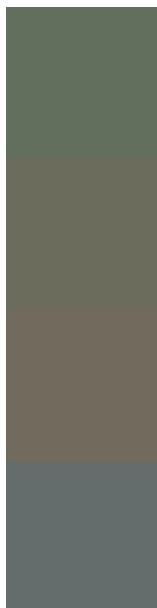
14.8967, 14.6462, 12.6315



Tritanopia

13.8818, 14.7528, 18.6389

Trichromacy



Original Color

12.5460, 14.6830, 12.2981

Protanomaly

13.3143, 14.6063, 12.0151

Deuteranomaly

13.9399, 14.6091, 12.4411

Tritanomaly

13.3780, 14.7081, 16.0438

Monochromacy



Original Color

12.5460, 14.6830, 12.2981

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.0374, 14.2603, 14.1220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5460, 14.6830, 12.2981 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(97, 111, 92) looks like.

```
.text, #text, p{  
    color:rgb(97, 111, 92)  
}
```

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(97, 111, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 111, 92) }
```

Border

The CSS property to change the border of an element to XYZ 12.5460, 14.6830, 12.2981 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(97, 111, 92) }
```


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

```
.border{ border-color:rgb(97, 111, 92) }
```

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

Here you see how a box with a 4 pixel rgb(97, 111, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 111, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 111, 92);  
box-shadow:4px 4px 4px 4px rgb(97, 111,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5460, 14.6830, 12.2981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 111, 92) }
```

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

```
.background{ background-color: rgb(97, 111,  
92) }
```

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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