

Converting Colors

XYZ(12.5886, 12.8547, 8.4387)

Have a look what the booklet for
XYZ(12.5886, 12.8547, 8.4387)
contains.

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Color

**XYZ(12.5771, 12.8208,
8.4684)**

Conversions

Conversions Part 1

Format	Color
Hex	72624B
RGB	114, 98, 75
RGB Percent	45%, 38%, 29%
CMY	0.5529, 0.6157, 0.7059
CMYK	0.00, 0.14, 0.34, 0.55
HSL	35°, 21%, 37%
HSV	35°, 34%, 45%
XYZ	12.5771, 12.8208, 8.4684
YIQ	100.1620, 16.9190, -3.7610

Conversions

Conversions Part 2

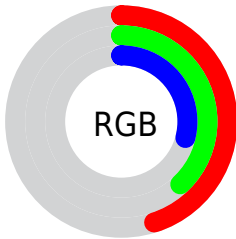
Format	Color
R_{YB}	102, 114, 75
Decimal	7496267
CIE _{Lab}	42.49, 2.67, 15.48
CIE _{LCh}	42, 15.706, 80.211
Yxy	12.8208, 0.3714, 0.3786
Android (android.graphics.Color)	4285686347 (0xFF72624B)
YUV	100.1620, -12.4049, 12.1359
Hunter-Lab	35.8061, 0.0383, 11.0418

Details

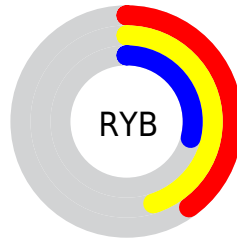
The XYZ color **12.5771, 12.8208, 8.4684** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **9.6798, 10.1925, 17.3767**, and the grayscale version is **12.1824, 12.8168, 13.9575**.

A 20% lighter version of the original color is **30.3219, 31.1656, 23.4862**, and **3.6553, 3.6787, 1.8137** is the 20% darker color. If you saturate the color by 10%, you get **11.7966, 11.8293, 6.4527**, and if you desaturate by 10%, it is **13.4537, 13.8926, 10.8615**.

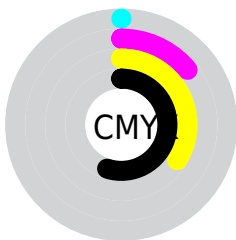
Distribution



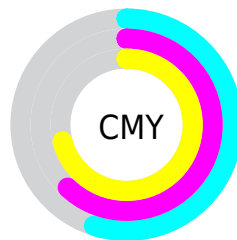
- Red (45%)
- Green (38%)
- Blue (29%)



- Red (40%)
- Yellow (45%)
- Blue (29%)



- Cyan (0%)
- Magenta (14%)
- Yellow (34%)
- Black (55%)



- Cyan (55%)
- Magenta (62%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5771, 12.8208, 8.4684 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 12.5771, 12.8208, 8.4684 by changing the saturation by 10% instead.

■ 12.5771, 12.8208,
8.4684

■ 12.5771, 12.8208,
8.4684

201.8821,
209.7660, 189.4308

■ 7.2130, 7.3053,
4.3041

■ 30.1497, 30.9815,
23.4329

■ 3.6432, 3.6537,
1.7936

■ 43.0889, 44.3954,
35.0700

■ 1.5023, 1.4818,
0.4237

■ 59.2839, 61.2109,
50.0353

■ 0.3274, 0.2759,
0.0000

■ 79.0999, 81.8124,
68.7471

■ 0.0000, 0.0000,
0.0000

■ 102.9024,
106.5842, 91.6240

131.0567,

135.9109, 119.0845

163.9282,
170.1766, 151.5473

■ 12.5771, 12.8208,
8.4684

■ 12.5771, 12.8208,
8.4684

■ 11.7966, 11.8293,
6.4527

■ 13.4537, 13.8926,
10.8615

■ 11.1072, 10.9140,
4.7938

■ 14.4294, 15.0451,
13.6495

■ 10.5046, 10.0729,
3.4703

■ 15.5082, 16.2811,
16.8500

■ 9.9838, 9.3033,
2.4581

■ 16.6934, 17.6026,
20.4789

■ 9.5392, 8.6023,
1.7299

■ 17.9884, 19.0115,
24.5516

■ 9.1624, 7.9656,
1.2442

■ 19.3962, 20.5097,
29.0826

■ 8.9608, 7.6202,
0.9986

■ 20.9199, 22.0989,
34.0856

■ 22.5623, 23.7810,
39.5741

■ 24.3261, 25.5575,
45.5606

Harmonies

Analogous

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



13.7021, 12.8208, 9.5238



12.5771, 12.8208, 8.4684



11.4158, 12.8208, 8.6900

Triad

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



12.5771, 12.8208, 8.4684



10.1712, 12.8208, 16.3363



14.0208, 12.8208, 18.5634

Complementary

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



12.5771, 12.8208, 8.4684



9.6798, 10.1925, 17.3767

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.



12.9896, 12.8208, 21.0183



12.5771, 12.8208, 8.4684



10.7857, 12.8208, 19.5950

Square

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



12.5771, 12.8208, 8.4684



10.0765, 12.8208, 12.8799



11.8027, 12.8208, 21.4237



14.5706, 12.8208, 15.0982

Rectangle

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



12.5771, 12.8208, 8.4684



10.7739, 12.8208, 9.5478



11.8027, 12.8208, 21.4237



13.7160, 12.8208, 19.5563

Sweetspot

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



12.5774, 12.8214, 8.4687



26.0841, 27.2796, 26.1209



11.3547, 9.3693, 11.1643



5.9861, 6.2556, 5.9045



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.



12.5774, 12.8214, 8.4687



21.0120, 21.1516, 12.0481



13.8114, 15.9059, 8.9990



3.5327, 3.6978, 3.6009



9.9585, 8.4495, 1.1060



48.7436, 40.3624, 5.2217

Inverse Universe

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



9.6798, 10.1925, 17.3767



15.1012, 15.7917, 30.2277



8.7159, 7.8775, 16.9807



3.3195, 3.5043, 4.2557



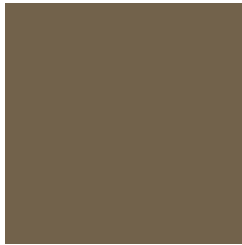
4.4861, 3.5625, 18.1728



21.5408, 16.1335, 90.2579

Previews

White Background



This preview shows how the XYZ color 12.5771, 12.8208, 8.4684 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 12.5771, 12.8208, 8.4684 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 12.5771, 12.8208, 8.4684

Background



This preview shows how black text looks on a background with the XYZ color 12.5771, 12.8208, 8.4684.



This preview shows how white text looks on a background with the XYZ color 12.5771, 12.8208,

8.4684.

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

12.5771, 12.8208, 8.4684

Protanopia

11.9251, 12.7619, 8.6723

Deuteranopia

12.9241, 12.7253, 8.4317



Tritanopia

13.7371, 12.7466, 14.3067

Trichromacy



Original Color

12.5771, 12.8208, 8.4684

Protanomaly

12.1968, 12.7605, 8.6577

Deuteranomaly

12.8808, 12.8393, 8.4559

Tritanomaly

13.2264, 12.6701, 11.8737

Monochromacy



Original Color

12.5771, 12.8208, 8.4684

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.1759, 12.6823, 11.7037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5771, 12.8208, 8.4684 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(114, 98, 75)` looks like.

```
.text, #text, p{  
    color:rgb(114, 98, 75)  
}
```

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(114, 98, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 98, 75) }
```

Border

The CSS property to change the border of an element to XYZ 12.5771, 12.8208, 8.4684 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(114, 98, 75) }
```


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

```
.border{ border-color:rgb(114, 98, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 98, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 98, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 98, 75);  
box-shadow:4px 4px 4px 4px rgb(114, 98,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5771, 12.8208, 8.4684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 98, 75) }
```

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

```
.background{ background-color: rgb(114, 98,  
75) }
```

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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