

Converting Colors

XYZ(11.3957, 12.8510, 8.6208)

Have a look what the booklet for
XYZ(11.3957, 12.8510, 8.6208)
contains.

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Color

**XYZ(11.2769, 12.7201,
8.5175)**

Conversions

Conversions Part 1

Format	Color
Hex	64664B
RGB	100, 102, 75
RGB Percent	39%, 40%, 29%
CMY	0.6078, 0.6000, 0.7059
CMYK	0.02, 0.00, 0.26, 0.60
HSL	64°, 15%, 35%
HSV	64°, 26%, 40%
XYZ	11.2769, 12.7201, 8.5175
YIQ	98.3240, 7.4750, -8.8210

Conversions

Conversions Part 2

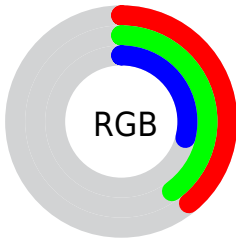
Format	Color
R_{YB}	75, 102, 77
Decimal	6579787
CIE Lab	42.34, -5.77, 15.05
CIE LCh	42, 16.116, 110.976
Yxy	12.7201, 0.3468, 0.3912
Android (android.graphics.Color)	4284769867 (0xFF64664B)
YUV	98.3240, -11.4987, 1.4699
Hunter-Lab	35.6652, -5.9747, 10.8062

Details

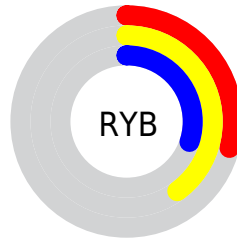
The XYZ color **11.2769, 12.7201, 8.5175** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.9755, 7.5696, 13.6119**, and the grayscale version is **11.7170, 12.3272, 13.4243**.

A 20% lighter version of the original color is **27.7918, 30.8170, 23.5523**, and **3.0817, 3.5882, 1.8265** is the 20% darker color. If you saturate the color by 10%, you get **10.8723, 12.5491, 6.8200**, and if you desaturate by 10%, it is **11.7390, 12.9151, 10.5105**.

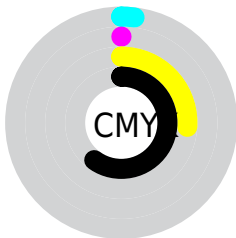
Distribution



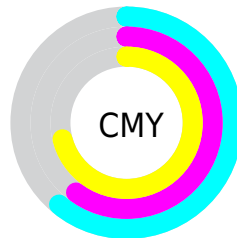
- Red (39%)
- Green (40%)
- Blue (29%)



- Red (29%)
- Yellow (40%)
- Blue (30%)



- Cyan (2%)
- Magenta (0%)
- Yellow (26%)
- Black (60%)



- Cyan (61%)
- Magenta (60%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.2769, 12.7201, 8.5175 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 11.2769, 12.7201, 8.5175 by changing the saturation by 10% instead.

■ 11.2769, 12.7201,
8.5175

■ 11.2769, 12.7201,
8.5175

193.4268,
209.1160, 189.8201

■ 6.3221, 7.2361,
4.3353

■ 27.7995, 30.8000,
23.5296

■ 3.0844, 3.6102,
1.8111

■ 40.0980, 44.1647,
35.1966

■ 1.1986, 1.4580,
0.4352

■ 55.5751, 60.9251,
50.1956

■ 0.1052, 0.2589,
0.0000

■ 74.5961, 81.4655,
68.9452

■ 0.0000, 0.0000,
0.0000

■ 97.5264, 106.1704,
91.8639

124.7314,

135.4242, 119.3703

156.5765,
169.6113, 151.8828

■ 11.2769, 12.7201,
8.5175

■ 11.2769, 12.7201,
8.5175

■ 10.8723, 12.5491,
6.8200

■ 11.7390, 12.9151,
10.5105

■ 10.5214, 12.3992,
5.4032

■ 12.2600, 13.1333,
12.8113

■ 10.2218, 12.2699,
4.2521

■ 12.8427, 13.3763,
15.4324

■ 9.9702, 12.1599,
3.3501

■ 13.4891, 13.6448,
18.3855

■ 9.7632, 12.0678,
2.6789

■ 14.2015, 13.9399,
21.6817

■ 9.5968, 11.9921,
2.2173

■ 14.9818, 14.2622,
25.3315

■ 9.4599, 11.9283,
1.9071

■ 15.8320, 14.6125,
29.3449

■ 9.4126, 11.9061,
1.8020

■ 16.7539, 14.9916,
33.7317

■ 17.7492, 15.4001,
38.5012

Harmonies

Analogous

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



12.4584, 12.7201, 8.2607



11.2769, 12.7201, 8.5175



10.3726, 12.7201, 10.0669

Triad

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



11.2769, 12.7201, 8.5175



10.6847, 12.7201, 19.6924



14.5342, 12.7201, 14.9207

Complementary

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



11.2769, 12.7201, 8.5175



7.9755, 7.5696, 13.6119

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.



13.9874, 12.7201, 18.4789



11.2769, 12.7201, 8.5175



11.7291, 12.7201, 21.5202

Square

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



11.2769, 12.7201, 8.5175



10.0469, 12.7201, 16.3724



12.9414, 12.7201, 21.0425



14.3930, 12.7201, 11.6010

Rectangle

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



11.2769, 12.7201, 8.5175



10.0230, 12.7201, 11.7913



12.9414, 12.7201, 21.0425



14.4235, 12.7201, 16.1354

Sweetspot

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



11.2772, 12.7207, 8.5178



21.3317, 22.9612, 21.7174



9.3899, 8.6130, 7.8244



5.0066, 5.4059, 5.0089



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



11.2772, 12.7207, 8.5178



19.3076, 22.1094, 12.9603



9.9244, 12.0233, 8.4545



3.0213, 3.2581, 3.0441



12.0744, 15.2833, 2.3136



62.6538, 79.5452, 12.0516

Inverse Universe

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



7.9755, 7.5696, 13.6119



12.4226, 11.3668, 23.5850



9.1605, 8.1805, 13.6673



2.7099, 2.7725, 3.5243



3.1867, 1.2870, 16.2248



16.3135, 6.5542, 84.6067

Previews

White Background



This preview shows how the XYZ color 11.2769, 12.7201, 8.5175 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 11.2769, 12.7201, 8.5175 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

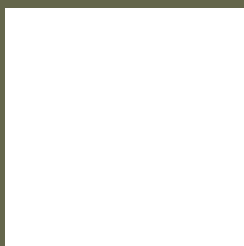
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.2769, 12.7201, 8.5175

Background



This preview shows how black text looks on a background with the XYZ color 11.2769, 12.7201, 8.5175.



This preview shows how white text looks on a background with the XYZ color 11.2769, 12.7201,

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

11.2769, 12.7201, 8.5175

Protanopia

11.8566, 12.7346, 8.3117

Deuteranopia

12.8235, 12.6695, 8.6071



Tritanopia

12.6781, 12.7190, 15.4225

Trichromacy



Original Color

11.2769, 12.7201, 8.5175

Protanomaly

11.5986, 12.7448, 8.3272

Deuteranomaly

12.2277, 12.6367, 8.6321

Tritanomaly

12.1209, 12.6335, 12.6261

Monochromacy



Original Color

11.2769, 12.7201, 8.5175

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.4529, 12.3145, 11.4462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.2769, 12.7201, 8.5175 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(100, 102, 75)` looks like.

```
.text, #text, p{  
    color:rgb(100, 102, 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(100, 102, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 102, 75) }
```

Border

The CSS property to change the border of an element to XYZ 11.2769, 12.7201, 8.5175 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(100, 102, 75) }
```


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

```
.border{ border-color:rgb(100, 102, 75) }
```

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

Here you see how a box with a 4 pixel rgb(100, 102, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 102, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 102, 75);  
box-shadow:4px 4px 4px 4px rgb(100, 102,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 11.2769, 12.7201, 8.5175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 102, 75) }
```

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

```
.background{ background-color: rgb(100,  
102, 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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