

Converting Colors

XYZ(8.7861, 12.2103, 7.5240)

Have a look what the booklet for
XYZ(8.7861, 12.2103, 7.5240)
contains.

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Color

**XYZ(8.7861, 12.2103,
7.5240)**

Conversions

Conversions Part 1

Format	Color
Hex	456B45
RGB	69, 107, 69
RGB Percent	27%, 42%, 27%
CMY	0.7294, 0.5804, 0.7294
CMYK	0.36, 0.00, 0.36, 0.58
HSL	120°, 22%, 35%
HSV	120°, 36%, 42%
XYZ	8.7861, 12.2103, 7.5240
YIQ	91.3060, -10.4500, -19.8740

Conversions

Conversions Part 2

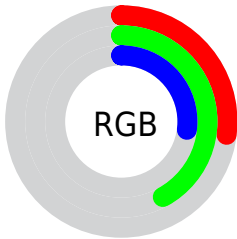
Format	Color
R _Y B	69, 107, 107
Decimal	4549445
CIE Lab	41.55, -21.98, 17.15
CIE LCh	42, 27.876, 142.033
Yxy	12.2103, 0.3081, 0.4281
Android (android.graphics.Color)	4282739525 (0xFF456B45)
YUV	91.3060, -10.9969, -19.5624
Hunter-Lab	34.9432, -16.2688, 11.6939

Details

The XYZ color **8.7861, 12.2103, 7.5240** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.8457, 8.4437, 14.9684**, and the grayscale version is **10.0399, 10.5627, 11.5028**.

A 20% lighter version of the original color is **23.2759, 30.0262, 21.7084**, and **2.0703, 3.3687, 1.4608** is the 20% darker color. If you saturate the color by 10%, you get **7.7918, 11.7330, 5.8974**, and if you desaturate by 10%, it is **9.9779, 12.7832, 9.4732**.

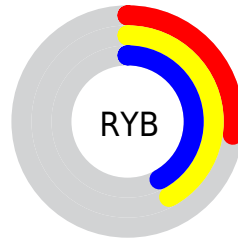
Distribution



Red (27%)

Green (42%)

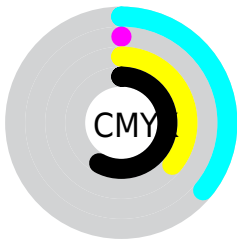
Blue (27%)



Red (27%)

Yellow (42%)

Blue (42%)

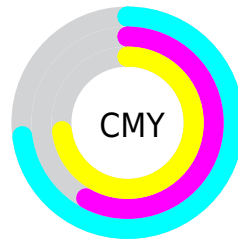


Cyan (36%)

Magenta (0%)

Yellow (36%)

Black (58%)



Cyan (73%)

Magenta (58%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.7861, 12.2103, 7.5240 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 8.7861, 12.2103, 7.5240 by changing the saturation by 10% instead.

■ 8.7861, 12.2103,
7.5240

■ 8.7861, 12.2103,
7.5240

176.0151,
205.7926, 181.7422

■ 4.6579, 6.8871,
3.7085

■ 23.1567, 29.8775,
21.5504

■ 2.0807, 3.3916,
1.4668

■ 34.1298, 42.9904,
32.5984

■ 0.6787, 1.3394,
0.1930

■ 48.1152, 59.4685,
46.8944

■ 0.0000, 0.1714,
0.0000

■ 65.4784, 79.6963,
64.8569

■ 0.0000, 0.0000,
0.0000

■ 86.5846, 104.0582,
86.9043

111.7992,

132.9387, 113.4554

141.4876,
166.7220, 144.9285

■ 8.7861, 12.2103,
7.5240

■ 8.7861, 12.2103,
7.5240

■ 7.7918, 11.7330,
5.8974

■ 9.9779, 12.7832,
9.4732

■ 6.9834, 11.3447,
4.5751

■ 11.3760, 13.4547,
11.7600

■ 6.3497, 11.0403,
3.5385

■ 12.9900, 14.2300,
14.3999

■ 5.8778, 10.8137,
2.7666

■ 14.8283, 15.1130,
17.4067

■ 5.5530, 10.6577,
2.2354

■ 16.8991, 16.1078,
20.7938

■ 5.3443, 10.5574,
1.8940

■ 19.2102, 17.2179,
24.5738

■ 5.2580, 10.5159,
1.7528

■ 21.7688, 18.4469,
28.7588

■ 24.5821, 19.7983,
33.3604

■ 27.6568, 21.2752,
38.3894

Harmonies

Analogous

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



10.1987, 12.2103, 5.3780



8.7861, 12.2103, 7.5240



8.1458, 12.2103, 11.8015

Triad

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



8.7861, 12.2103, 7.5240



11.0716, 12.2103, 27.7667



15.6234, 12.2103, 9.5187

Complementary

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



8.7861, 12.2103, 7.5240



10.8457, 8.4437, 14.9684

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.



15.9277, 12.2103, 14.9094



8.7861, 12.2103, 7.5240



13.1361, 12.2103, 26.6223

Square

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



8.7861, 12.2103, 7.5240



9.3610, 12.2103, 24.2303



14.9715, 12.2103, 21.4490



14.1829, 12.2103, 6.2730

Rectangle

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



8.7861, 12.2103, 7.5240



8.1840, 12.2103, 15.7705



14.9715, 12.2103, 21.4490



15.8683, 12.2103, 11.0930

Sweetspot

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



8.7864, 12.2108, 7.5243



21.5366, 24.6521, 22.9661



12.3958, 14.0716, 7.6929



5.1455, 5.9346, 5.4488



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



8.7864, 12.2108, 7.5243



14.1640, 21.1107, 10.9070



9.4737, 12.4857, 11.1434



3.0640, 3.4448, 3.3209



6.3963, 12.7926, 2.1322



32.5920, 65.1839, 10.8643

Inverse Universe

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



10.8457, 8.4437, 14.9684



18.4738, 13.2269, 26.4862



9.9533, 8.0868, 10.2691



3.2176, 3.1639, 3.8760



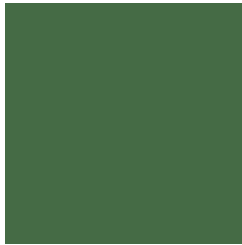
10.6048, 5.0940, 17.3451



54.0359, 25.9563, 88.3806

Previews

White Background



This preview shows how the XYZ color 8.7861, 12.2103, 7.5240 looks on a white background.

Color Contrast Check

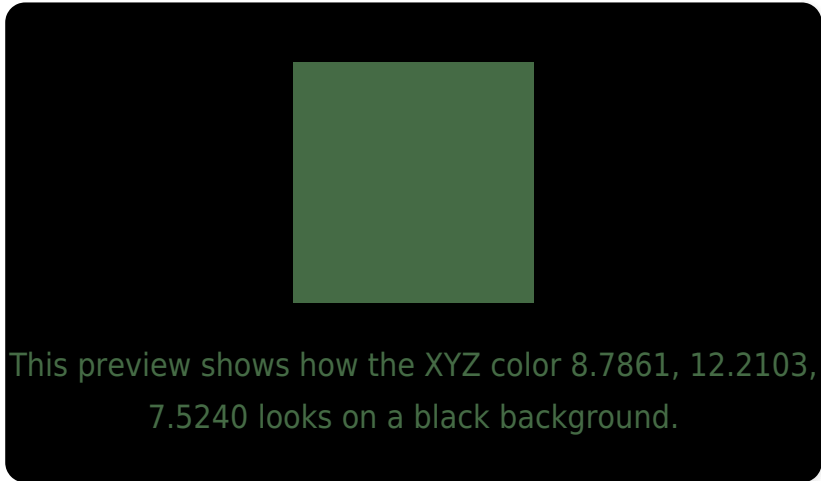
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 8.7861, 12.2103, 7.5240

Background



This preview shows how black text looks on a background with the XYZ color 8.7861, 12.2103, 7.5240.



This preview shows how white text looks on a background with the XYZ color 8.7861, 12.2103,

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

8.7861, 12.2103, 7.5240

Protanopia

11.2657, 12.1812, 6.7585

Deuteranopia

12.2426, 12.1181, 7.8247



Tritanopia

10.6264, 12.2063, 16.5478

Trichromacy



Original Color

8.7861, 12.2103, 7.5240

Protanomaly

10.1513, 12.0279, 6.9408

Deuteranomaly

10.6362, 11.9753, 7.7121

Tritanomaly

9.8399, 12.1827, 12.6594

Monochromacy



Original Color

8.7861, 12.2103, 7.5240

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

9.4033, 11.0129, 9.8137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.7861, 12.2103, 7.5240 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(69, 107, 69)` looks like.

```
.text, #text, p{  
    color:rgb(69, 107, 69)  
}
```

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(69, 107, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 107, 69) }
```

Border

The CSS property to change the border of an element to XYZ 8.7861, 12.2103, 7.5240 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(69, 107, 69) }
```


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

```
.border{ border-color:rgb(69, 107, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 107, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 107, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 107, 69);  
box-shadow:4px 4px 4px 4px rgb(69, 107,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 8.7861, 12.2103, 7.5240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 107, 69) }
```

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

```
.background{ background-color: rgb(69, 107,  
69) }
```

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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