

Converting Colors

XYZ(7.5778, 12.4625, 5.5910)

Have a look what the booklet for
XYZ(7.5778, 12.4625, 5.5910)
contains.

| | |
|--|----|
| XYZ(7.5659, 12.4221, 5.6134) | 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(7.5659, 12.4221,
5.6134)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 2D7037 |
| RGB | 45, 112, 55 |
| RGB Percent | 18%, 44%, 22% |
| CMY | 0.8235, 0.5608, 0.7843 |
| CMYK | 0.60, 0.00, 0.51, 0.56 |
| HSL | 129°, 43%, 31% |
| HSV | 129°, 60%, 44% |
| XYZ | 7.5659, 12.4221, 5.6134 |
| YIQ | 85.4690, -21.6350, -31.9310 |

Conversions

Conversions Part 2

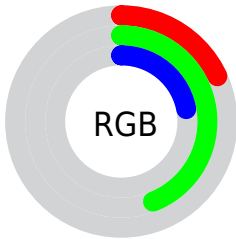
| Format | Color |
|-------------------------------------|---|
| RYB | 45, 103, 112 |
| Decimal | 2977847 |
| CIELab | 41.88, -34.39, 25.36 |
| CIElCh | 42, 42.730, 143.602 |
| Yxy | 12.4221, 0.2955, 0.4852 |
| Android (android.graphics.Color) | 4281167927 (0xFF2D7037) |
| YUV | 85.4690, -15.0212, -35.4913 |
| Hunter-Lab | 35.2450, -23.3609, 15.2285 |

Details

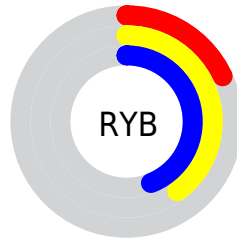
The XYZ color **7.5659, 12.4221, 5.6134** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.0190, 6.2809, 13.2545**, and the grayscale version is **8.7672, 9.2238, 10.0447**.

A 20% lighter version of the original color is **20.7606, 30.1269, 17.5528**, and **1.8323, 3.5769, 0.8810** is the 20% darker color. If you saturate the color by 10%, you get **6.9303, 12.1187, 4.5046**, and if you desaturate by 10%, it is **8.3770, 12.8116, 6.9613**.

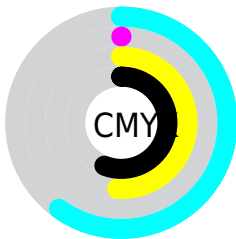
Distribution



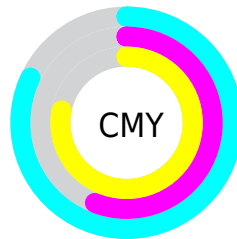
- Red (18%)
- Green (44%)
- Blue (22%)



- Red (18%)
- Yellow (40%)
- Blue (44%)



- Cyan (60%)
- Magenta (0%)
- Yellow (51%)
- Black (56%)





- Cyan (82%)
- Magenta (56%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 7.5659, 12.4221, 5.6134 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 7.5659, 12.4221, 5.6134 by changing the saturation by 10% instead.

 7.5659, 12.4221,
5.6134


 7.5659, 12.4221,
5.6134


166.7307,
207.1800, 164.7539


 3.8679, 7.0318,
2.5465


 20.7966, 30.2616,
17.5866


 1.6277, 3.4820,
0.8646

 31.0600, 43.4796,
27.3301


 0.4103, 1.3883,
0.0000

 44.2426, 60.0756,
40.1361

 0.0000, 0.2080,
0.0000

 60.7097, 80.4341,
56.4232

 0.0000, 0.0000,
0.0000

 80.8267, 104.9393,
76.6100

 104.9590,

133.9758, 101.1151

133.4719,
167.9279, 130.3568

■ 7.5659, 12.4221,
5.6134

■ 7.5659, 12.4221,
5.6134

■ 6.9303, 12.1187,
4.5046

■ 8.3770, 12.8116,
6.9613

■ 6.4563, 11.8934,
3.6201

■ 9.3746, 13.2915,
8.5603

■ 6.1289, 11.7393,
2.9448

■ 10.5697, 13.8677,
10.4224

■ 5.8972, 11.6303,
2.4598

■ 11.9723, 14.5449,
12.5589

■ 5.8935, 11.6285,
2.4529

■ 13.5915, 15.3277,
14.9803

■ 15.4362, 16.2204,
17.6964

■ 17.5144, 17.2271,
20.7167

■ 19.8341, 18.3516,
24.0503

■ 22.4026, 19.5975,
27.7057

Harmonies

Analogous

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



9.5406, 12.4221, 3.0344



7.5659, 12.4221, 5.6134



6.7459, 12.4221, 11.6804

Triad

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



7.5659, 12.4221, 5.6134



11.1437, 12.4221, 39.1815



18.2842, 12.4221, 7.6935

Complementary

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



7.5659, 12.4221, 5.6134



10.0190, 6.2809, 13.2545

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.



18.9202, 12.4221, 15.5554



7.5659, 12.4221, 5.6134



14.4063, 12.4221, 36.5108

Square

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



7.5659, 12.4221, 5.6134



8.5604, 12.4221, 32.8846



17.3942, 12.4221, 26.6768



15.7850, 12.4221, 3.8068

Rectangle

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



7.5659, 12.4221, 5.6134



6.8374, 12.4221, 18.0371



17.3942, 12.4221, 26.6768



18.7395, 12.4221, 9.8370

Sweetspot

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



7.5662, 12.4226, 5.6137



21.3934, 25.7255, 22.6074



11.8695, 14.6660, 4.6877



4.9904, 6.1083, 5.2062



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.



7.5662, 12.4226, 5.6137



11.8031, 21.1118, 7.2357



8.6147, 12.8420, 11.1349



3.3635, 3.7706, 3.7205



6.8068, 13.4402, 2.8032



33.7007, 66.8689, 12.8751

Inverse Universe

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



10.0190, 6.2809, 13.2545



16.5323, 9.2210, 21.9313



8.7126, 5.7583, 6.3752



3.4940, 3.4453, 4.1284



10.1211, 4.9408, 12.9795



50.1669, 24.5121, 63.3361

Previews

White Background



This preview shows how the XYZ color 7.5659, 12.4221, 5.6134 looks on a white background.

Color Contrast Check

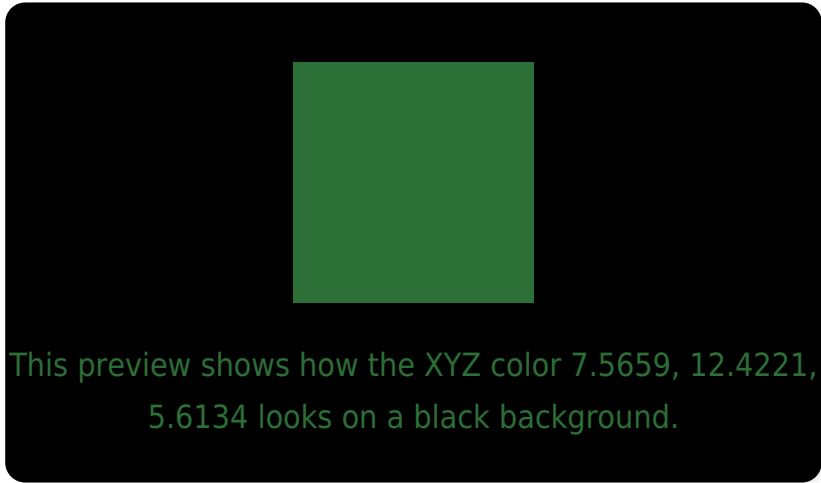
Large Text (above 18pt) WCAG AA ✓ Pass

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 7.5659, 12.4221, 5.6134

Background



This preview shows how black text looks on a background with the XYZ color 7.5659, 12.4221, 5.6134.



This preview shows how white text looks on a background with the XYZ color 7.5659, 12.4221,

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

7.5659, 12.4221, 5.6134

Protanopia

11.2501, 12.2169, 4.7828

Deuteranopia

12.4261, 12.2536, 5.9852



Tritanopia

10.0548, 12.4836, 17.7992

Trichromacy



Original Color

7.5659, 12.4221, 5.6134

Protanomaly

9.3078, 11.9269, 5.0604

Deuteranomaly

9.8310, 11.8882, 5.7795

Tritanomaly

8.9139, 12.3277, 12.2656

Monochromacy



Original Color

7.5659, 12.4221, 5.6134

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

7.8540, 9.9809, 7.9911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.5659, 12.4221, 5.6134 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(45, 112, 55)` looks like.

```
.text, #text, p{  
    color:rgb(45, 112, 55)  
}
```

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(45, 112, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 112, 55) }
```

Border

The CSS property to change the border of an element to XYZ 7.5659, 12.4221, 5.6134 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(45, 112, 55) }
```


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

```
.border{ border-color:rgb(45, 112, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 112, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 112, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 112, 55);  
box-shadow:4px 4px 4px 4px rgb(45, 112,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 7.5659, 12.4221, 5.6134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 112, 55) }
```

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

```
.background{ background-color: rgb(45, 112,  
55) }
```

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