

Converting Colors

XYZ(11.9965, 12.8062, 2.5367)

Have a look what the booklet for
XYZ(11.9965, 12.8062, 2.5367)
contains.

XYZ(11.9333, 12.7597, 2.5434)	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(11.9333, 12.7597,
2.5434)**

Conversions

Conversions Part 1

Format	Color
Hex	756315
RGB	117, 99, 21
RGB Percent	46%, 39%, 8%
CMY	0.5412, 0.6118, 0.9176
CMYK	0.00, 0.15, 0.82, 0.54
HSL	49°, 70%, 27%
HSV	49°, 82%, 46%
XYZ	11.9333, 12.7597, 2.5434
YIQ	95.4900, 35.7660, -20.4420

Conversions

Conversions Part 2

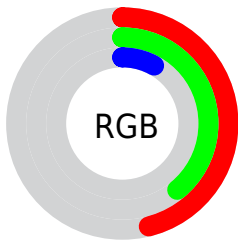
Format	Color
R_{YB}	43, 117, 21
Decimal	7693077
CIE Lab	42.40, -1.35, 43.52
CIE LCh	42, 43.537, 91.780
Yxy	12.7597, 0.4381, 0.4685
Android (android.graphics.Color)	4285883157 (0xFF756315)
YUV	95.4900, -36.7236, 18.8643
Hunter-Lab	35.7207, -2.8794, 20.7829

Details

The XYZ color **11.9333, 12.7597, 2.5434** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.2457, 2.8948, 17.1645**, and the grayscale version is **11.0750, 11.6517, 12.6887**.

A 20% lighter version of the original color is **28.9304, 30.7334, 10.5382**, and **3.4531, 3.6700, 0.5264** is the 20% darker color. If you saturate the color by 10%, you get **11.6442, 12.3165, 2.0308**, and if you desaturate by 10%, it is **12.2792, 13.2356, 3.3247**.

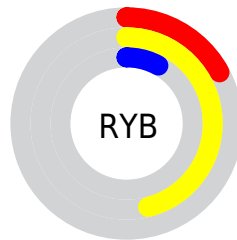
Distribution



Red (46%)

Green (39%)

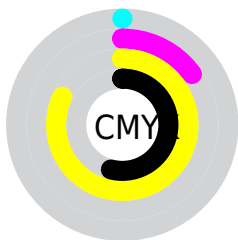
Blue (8%)



Red (17%)

Yellow (46%)

Blue (8%)

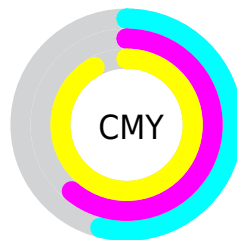


Cyan (0%)

Magenta (15%)

Yellow (82%)

Black (54%)



Cyan (54%)

Magenta (61%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9333, 12.7597, 2.5434 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 11.9333, 12.7597, 2.5434 by changing the saturation by 10% instead.

■ 11.9333, 12.7597,
2.5434

■ 11.9333, 12.7597,
2.5434

197.7422,
209.3718, 130.3140

■ 6.7702, 7.2633,
0.8630

■ 28.9915, 30.8714,
10.4793

■ 3.3638, 3.6273,
0.0000

■ 41.6172, 44.2555,
17.5754

■ 1.3490, 1.4673,
0.0000

■ 57.4612, 61.0375,
27.3149

■ 0.2194, 0.2656,
0.0000


■ 76.8888, 81.6020,
40.1165


■ 0.0000, 0.0000,
0.0000


■ 100.2653,
106.3333, 56.3987


■ 127.9561,


135.6158, 76.5800


 160.3266,
169.8338, 101.0789


 11.9333, 12.7597,
2.5434


 11.9333, 12.7597,
2.5434


 11.6442, 12.3165,
2.0308


 12.2792, 13.2356,
3.3247

 11.4342, 11.9781,
1.7094

 12.6874, 13.7450,
4.4072

 13.1636, 14.2908,
5.8192

 13.7125, 14.8749,
7.5858

 14.3384, 15.4992,
9.7295

■ 15.0454, 16.1652,
12.2708

■ 15.8370, 16.8745,
15.2289

■ 16.7168, 17.6286,
18.6218

■ 17.6879, 18.4288,
22.4662

Harmonies

Analogous

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



15.3533, 12.7597, 3.2951



11.9333, 12.7597, 2.5434



9.1063, 12.7597, 3.5143

Triad

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



11.9333, 12.7597, 2.5434



7.5263, 12.7597, 25.7101



18.5605, 12.7597, 24.2762

Complementary

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



11.9333, 12.7597, 2.5434



4.2457, 2.8948, 17.1645

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.



15.7529, 12.7597, 35.5344



11.9333, 12.7597, 2.5434



9.3888, 12.7597, 36.5917

Square

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



11.9333, 12.7597, 2.5434



6.8627, 12.7597, 14.4605



12.3242, 12.7597, 40.8132



19.5674, 12.7597, 13.3408

Rectangle

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



11.9333, 12.7597, 2.5434



7.8252, 12.7597, 5.4600



12.3242, 12.7597, 40.8132



17.7738, 12.7597, 28.2919

Sweetspot

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



11.9336, 12.7603, 2.5437



26.4696, 28.5095, 20.2521



7.9907, 4.4729, 2.4678



6.0059, 6.4795, 4.3690



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



11.9336, 12.7603, 2.5437



20.4734, 21.4186, 3.1430



10.5402, 14.8612, 3.0226



3.9111, 4.1552, 3.9382



12.5877, 13.1767, 1.8799



60.7566, 63.0416, 8.9660

Inverse Universe

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



4.2457, 2.8948, 17.1645



6.2825, 3.3085, 30.4445



4.7848, 2.4939, 17.0587



3.5511, 3.6908, 4.6155



3.8430, 2.0257, 18.7310



18.2501, 8.9168, 91.1195

Previews

White Background



This preview shows how the XYZ color 11.9333, 12.7597, 2.5434 looks on a white background.

Color Contrast Check

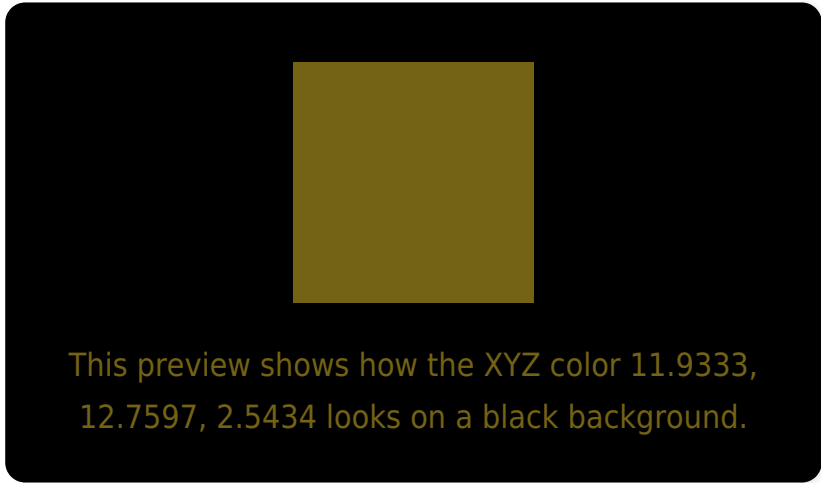
Large Text (above 18pt) WCAG AA ✓ Pass

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

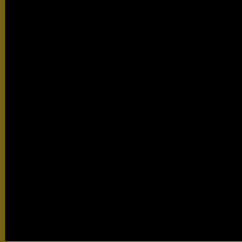
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.9333, 12.7597, 2.5434

Background



This preview shows how black text looks on a background with the XYZ color 11.9333, 12.7597, 2.5434.



This preview shows how white text looks on a background with the XYZ color 11.9333, 12.7597,

2.5434.

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

11.9333, 12.7597, 2.5434

Protanopia

11.5991, 12.8722, 2.5827

Deuteranopia

12.8510, 12.6819, 2.5811



Tritanopia

14.1053, 12.6927, 13.5109

Trichromacy



Original Color

11.9333, 12.7597, 2.5434

Protanomaly

11.6320, 12.7459, 2.5566

Deuteranomaly

12.4961, 12.6346, 2.5392

Tritanomaly

12.9753, 12.6324, 7.7157

Monochromacy



Original Color

11.9333, 12.7597, 2.5434

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.8198, 11.6667, 7.1505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9333, 12.7597, 2.5434 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(117, 99, 21)` looks like.

```
.text, #text, p{  
    color:rgb(117, 99, 21)  
}
```

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(117, 99, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 99, 21) }
```

Border

The CSS property to change the border of an element to XYZ 11.9333, 12.7597, 2.5434 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(117, 99, 21) }
```


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

```
.border{ border-color:rgb(117, 99, 21) }
```

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

Here you see how a box with a 4 pixel rgb(117, 99, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 99, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 99, 21);  
box-shadow:4px 4px 4px 4px rgb(117, 99,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9333, 12.7597, 2.5434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 99, 21) }
```

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

```
.background{ background-color: rgb(117, 99,  
21) }
```

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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