

Converting Colors

XYZ(7.7418, 12.8578, 3.5978)

Have a look what the booklet for
XYZ(7.7418, 12.8578, 3.5978)
contains.

XYZ(7.7742, 12.9070, 3.5949)	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(7.7742, 12.9070,
3.5949)**

Conversions

Conversions Part 1

Format	Color
Hex	357222
RGB	53, 114, 34
RGB Percent	21%, 45%, 13%
CMY	0.7922, 0.5529, 0.8667
CMYK	0.54, 0.00, 0.70, 0.55
HSL	106°, 54%, 29%
HSV	106°, 70%, 45%
XYZ	7.7742, 12.9070, 3.5949
YIQ	86.6410, -10.6760, -37.8120

Conversions

Conversions Part 2

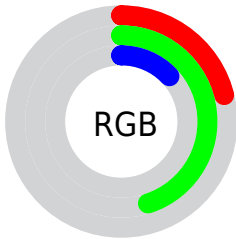
Format	Color
R_{YB}	34, 114, 95
Decimal	3502626
CIE _{Lab}	42.62, -35.64, 36.91
CIE _{LCh}	43, 51.312, 133.998
Yxy	12.9070, 0.3202, 0.5317
Android (android.graphics.Color)	4281692706 (0xFF357222)
YUV	86.6410, -25.9520, -29.5032
Hunter-Lab	35.9263, -24.2449, 19.2157

Details

The XYZ color **7.7742, 12.9070, 3.5949** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **8.3294, 4.7923, 16.4063**, and the grayscale version is **9.0378, 9.5084, 10.3547**.

A 20% lighter version of the original color is **21.3239, 31.3261, 13.1063**, and **1.8903, 3.7806, 0.6301** is the 20% darker color. If you saturate the color by 10%, you get **7.2202, 12.6377, 2.8486**, and if you desaturate by 10%, it is **8.4664, 13.2420, 4.6332**.

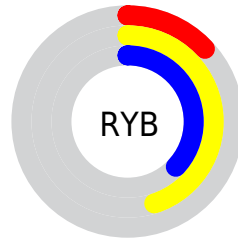
Distribution



Red (21%)

Green (45%)

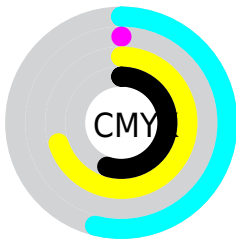
Blue (13%)



Red (13%)

Yellow (45%)

Blue (37%)

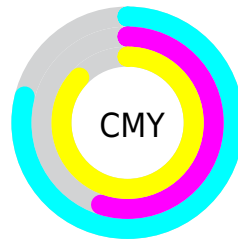


Cyan (54%)

Magenta (0%)

Yellow (70%)

Black (55%)



Cyan (79%)

Magenta (55%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.7742, 12.9070, 3.5949 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 7.7742, 12.9070, 3.5949 by changing the saturation by 10% instead.

■ 7.7742, 12.9070,
3.5949

■ 7.7742, 12.9070,
3.5949

168.3585,
210.3208, 143.6103

■ 4.0014, 7.3645,
1.4058

■ 21.2043, 31.1366,
13.0641

■ 1.7029, 3.6911,
0.1463

■ 31.5922, 44.5925,
21.1814

■ 0.4581, 1.5023,
0.0000

■ 44.9160, 61.4551,
32.1119

■ 0.0000, 0.2904,
0.0000

■ 61.5408, 82.1086,
46.2740

■ 0.0000, 0.0000,
0.0000

■ 81.8321, 106.9376,
64.0863

■ 106.1553,

136.3263, 85.9675

134.8756,
170.6593, 112.3359

7.7742, 12.9070,
3.5949

7.7742, 12.9070,
3.5949

7.2202, 12.6377,
2.8486

8.4664, 13.2420,
4.6332

6.7933, 12.4280,
2.3636

9.3049, 13.6451,
5.9885

6.4715, 12.2692,
2.0271

10.2982, 14.1207,
7.6842

11.4539, 14.6721,
9.7411

12.7790, 15.3027,
12.1785

■ 14.2802, 16.0154,
15.0142

■ 15.9638, 16.8131,
18.2650

■ 17.8356, 17.6985,
21.9466

■ 19.9015, 18.6743,
26.0740

Harmonies

Analogous

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



10.5473, 12.9070, 1.8359



7.7742, 12.9070, 3.5949



6.3948, 12.9070, 8.9403

Triad

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



7.7742, 12.9070, 3.5949



10.3206, 12.9070, 46.3015



21.0421, 12.9070, 9.4861

Complementary

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



7.7742, 12.9070, 3.5949



8.3294, 4.7923, 16.4063

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.



20.9453, 12.9070, 20.8184



7.7742, 12.9070, 3.5949



14.1657, 12.9070, 46.7320

Square

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



7.7742, 12.9070, 3.5949



7.6386, 12.9070, 34.7805



18.2258, 12.9070, 35.7584



18.4676, 12.9070, 3.8125

Rectangle

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



7.7742, 12.9070, 3.5949



6.2206, 12.9070, 15.5991



18.2258, 12.9070, 35.7584



21.3354, 12.9070, 12.6136

Sweetspot

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



7.7745, 12.9075, 3.5952



22.1192, 26.7303, 20.7743



11.2314, 11.6989, 3.1797



5.0008, 6.1272, 4.5919



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.



7.7745, 12.9075, 3.5952



12.2125, 21.9744, 4.4438



7.3433, 12.6417, 5.5434



3.4124, 3.7979, 3.6266



7.1900, 13.6503, 2.2558



35.1559, 67.6576, 11.2063

Inverse Universe

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



8.3294, 4.7923, 16.4063



13.1826, 6.6540, 28.5650



9.5323, 5.5299, 11.1552



3.4408, 3.4155, 4.2321



7.7340, 3.5965, 18.0082



37.7333, 17.5066, 89.6695

Previews

White Background



This preview shows how the XYZ color 7.7742, 12.9070, 3.5949 looks on a white background.

Color Contrast Check

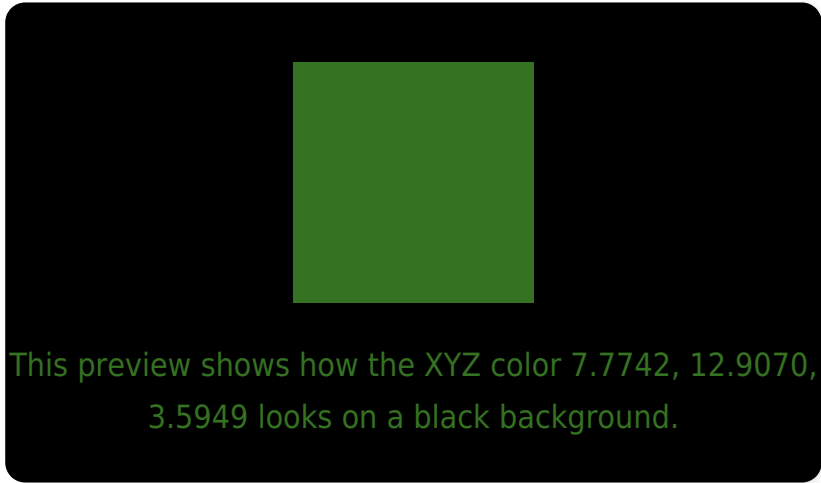
Large Text (above 18pt) WCAG AA ✓ Pass

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 7.7742, 12.9070, 3.5949

Background



This preview shows how black text looks on a background with the XYZ color 7.7742, 12.9070, 3.5949.



This preview shows how white text looks on a background with the XYZ color 7.7742, 12.9070,

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

7.7742, 12.9070, 3.5949

Protanopia

11.4736, 12.6528, 3.0658

Deuteranopia

12.9499, 12.7045, 3.8675



Tritanopia

10.6324, 12.7748, 18.1251

Trichromacy



Original Color

7.7742, 12.9070, 3.5949

Protanomaly

9.6133, 12.4262, 3.1882

Deuteranomaly

10.2468, 12.2953, 3.6669

Tritanomaly

9.1983, 12.6659, 10.7641

Monochromacy



Original Color

7.7742, 12.9070, 3.5949

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

8.2197, 10.4626, 7.0551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.7742, 12.9070, 3.5949 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(53, 114, 34)` looks like.

```
.text, #text, p{  
    color:rgb(53, 114, 34)  
}
```

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(53, 114, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 114, 34) }
```

Border

The CSS property to change the border of an element to XYZ 7.7742, 12.9070, 3.5949 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(53, 114, 34) }
```


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

```
.border{ border-color:rgb(53, 114, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 114, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 114, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 114, 34);  
box-shadow:4px 4px 4px 4px rgb(53, 114,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 7.7742, 12.9070, 3.5949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 114, 34) }
```

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

```
.background{ background-color: rgb(53, 114,  
34) }
```

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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