

Converting Colors

XYZ(15.0442, 22.5775, 7.8217)

Have a look what the booklet for
XYZ(15.0442, 22.5775, 7.8217)
contains.

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Color

**XYZ(15.0053, 22.4464,
7.8167)**

Conversions

Conversions Part 1

Format	Color
Hex	5A903C
RGB	90, 144, 60
RGB Percent	35%, 56%, 24%
CMY	0.6471, 0.4353, 0.7647
CMYK	0.38, 0.00, 0.58, 0.44
HSL	99°, 41%, 40%
HSV	99°, 58%, 56%
XYZ	15.0053, 22.4464, 7.8167
YIQ	118.2780, -5.2200, -37.5720

Conversions

Conversions Part 2

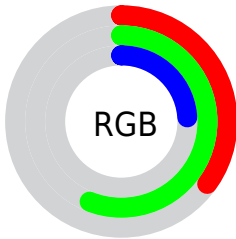
Format	Color
RYB	60, 144, 114
Decimal	5935164
CIELab	54.50, -33.64, 38.43
CIElCh	54, 51.067, 131.197
Yxy	22.4464, 0.3315, 0.4959
Android (android.graphics.Color)	4284125244 (0xFF5A903C)
YUV	118.2780, -28.7311, -24.7998
Hunter-Lab	47.3776, -26.3769, 23.3823

Details

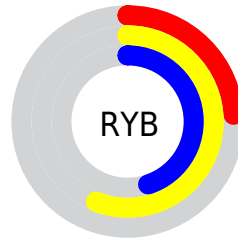
The XYZ color **15.0053, 22.4464, 7.8167** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **13.5904, 8.8235, 27.3736**, and the grayscale version is **17.3961, 18.3021, 19.9310**.

A 20% lighter version of the original color is **34.3362, 47.3536, 22.0823**, and **4.7575, 8.2583, 1.5730** is the 20% darker color. If you saturate the color by 10%, you get **13.8303, 21.8795, 6.0381**, and if you desaturate by 10%, it is **16.3972, 23.1145, 10.1473**.

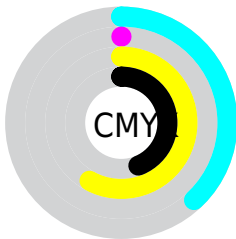
Distribution



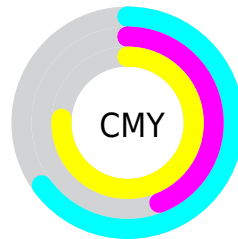
- Red (35%)
- Green (56%)
- Blue (24%)



- Red (24%)
- Yellow (56%)
- Blue (45%)



- Cyan (38%)
- Magenta (0%)
- Yellow (58%)
- Black (44%)



- Cyan (65%)
- Magenta (44%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0053, 22.4464, 7.8167 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 15.0053, 22.4464, 7.8167 by changing the saturation by 10% instead.

■ 15.0053, 22.4464,
7.8167

■ 15.0053, 22.4464,
7.8167

216.7860,
264.8687, 184.1677

■ 8.9094, 14.1853,
3.8918

■ 34.4341, 47.4827,
22.1385

■ 4.7388, 8.2496,
1.5662

■ 48.4977, 65.0267,
33.3725

■ 2.1280, 4.2551,
0.2665

■ 65.9479, 86.4337,
47.8800

■ 0.7044, 1.8173,
0.0000

■ 87.1501, 112.0882,
66.0794

■ 0.0000, 0.4979,
0.0000

■ 112.4697,
142.3745, 88.3893

■ 0.0000, 0.0000,
0.0000

■ 142.2720,

177.6772, 115.2283

176.9223,
218.3804, 147.0150

■ 15.0053, 22.4464,
7.8167

■ 15.0053, 22.4464,
7.8167

■ 13.8303, 21.8795,
6.0381

■ 16.3972, 23.1145,
10.1473

■ 12.8579, 21.4054,
4.7643

■ 18.0159, 23.8860,
13.0688

■ 12.0742, 21.0188,
3.9429

■ 19.8726, 24.7665,
16.6186

■ 11.4534, 20.7087,
3.4625

■ 21.9773, 25.7605,
20.8303

■ 11.3605, 20.6623,
3.3895

■ 24.3392, 26.8720,
25.7352

■ 26.9672, 28.1049,
31.3628

■ 29.8696, 29.4630,
37.7406

■ 33.0545, 30.9498,
44.8948

■ 36.5294, 32.5687,
52.8503

Harmonies

Analogous

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



19.3134, 22.4464, 4.9651



15.0053, 22.4464, 7.8167



12.6864, 22.4464, 15.7953

Triad

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



15.0053, 22.4464, 7.8167



18.0522, 22.4464, 66.7366



33.7211, 22.4464, 18.9332

Complementary

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



15.0053, 22.4464, 7.8167



13.5904, 8.8235, 27.3736

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.



33.2225, 22.4464, 35.7744



15.0053, 22.4464, 7.8167



23.4922, 22.4464, 68.8242

Square

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



15.0053, 22.4464, 7.8167



14.2215, 22.4464, 50.8626



29.2323, 22.4464, 55.7192



30.4947, 22.4464, 9.2473

Rectangle

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



15.0053, 22.4464, 7.8167



12.2864, 22.4464, 25.0896



29.2323, 22.4464, 55.7192



33.9965, 22.4464, 23.8024

Sweetspot

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



15.0058, 22.4474, 7.8172



39.1505, 45.6170, 37.5341



18.2456, 18.1114, 6.8095



8.8191, 10.3861, 8.2830



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



15.0058, 22.4474, 7.8172



23.8230, 38.3120, 9.8609



12.9812, 21.3657, 9.4352



5.5133, 6.1172, 5.7795



9.9163, 18.0046, 2.9526



0.1172, 0.1837, 0.0293

Inverse Universe

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



13.5904, 8.8235, 27.3736



21.0363, 11.9071, 47.7276



17.3382, 10.8496, 23.2993



5.4419, 5.4160, 6.7873



8.3036, 3.7743, 23.2679



0.1035, 0.0485, 0.2236

Previews

White Background



This preview shows how the XYZ color 15.0053, 22.4464, 7.8167 looks on a white background.

Color Contrast Check

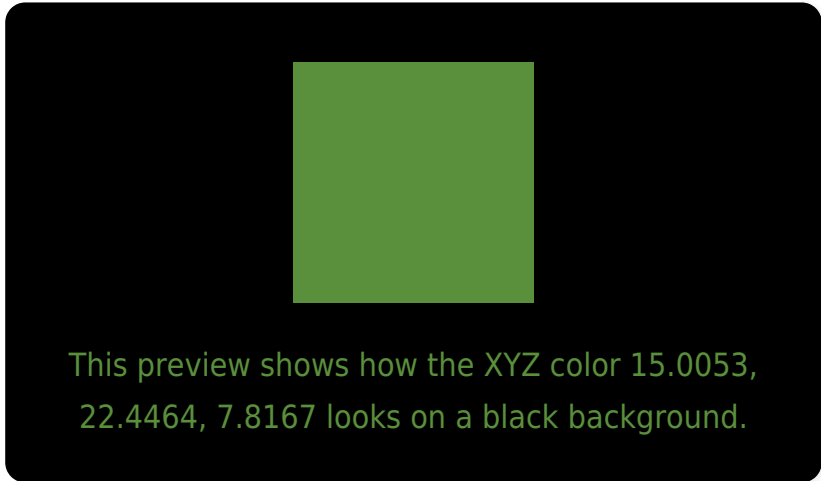
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black 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

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

XYZ 15.0053, 22.4464, 7.8167

Background



This preview shows how black text looks on a background with the XYZ color 15.0053, 22.4464, 7.8167.



This preview shows how white text looks on a background with the XYZ color 15.0053, 22.4464,

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

15.0053, 22.4464, 7.8167

Protanopia

20.1980, 22.1801, 6.9580

Deuteranopia

22.6882, 22.2822, 8.2594



Tritanopia

19.5612, 22.3463, 30.4764

Trichromacy



Original Color

15.0053, 22.4464, 7.8167

Protanomaly

17.7147, 21.9084, 7.1660

Deuteranomaly

19.0334, 21.7537, 8.0462

Tritanomaly

17.3286, 22.0674, 19.5658

Monochromacy



Original Color

15.0053, 22.4464, 7.8167

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

15.9314, 19.2300, 14.1813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0053, 22.4464, 7.8167 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(90, 144, 60)` looks like.

```
.text, #text, p{  
    color:rgb(90, 144, 60)  
}
```

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(90, 144, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 144, 60) }
```

Border

The CSS property to change the border of an element to XYZ 15.0053, 22.4464, 7.8167 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(90, 144, 60) }
```


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

```
.border{ border-color:rgb(90, 144, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 144, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 144, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 144, 60);  
box-shadow:4px 4px 4px 4px rgb(90, 144,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0053, 22.4464, 7.8167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 144, 60) }
```

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

```
.background{ background-color: rgb(90, 144,  
60) }
```

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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