

Converting Colors

XYZ(17.2779, 29.9024, 7.9606)

Have a look what the booklet for
XYZ(17.2779, 29.9024, 7.9606)
contains.

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Color

**XYZ(17.3113, 29.9170,
7.9941)**

Conversions

Conversions Part 1

Format	Color
Hex	46A933
RGB	70, 169, 51
RGB Percent	27%, 66%, 20%
CMY	0.7255, 0.3372, 0.8000
CMYK	0.59, 0.00, 0.70, 0.34
HSL	110°, 54%, 43%
HSV	110°, 70%, 66%
XYZ	17.3113, 29.9170, 7.9941
YIQ	125.9470, -21.1260, -57.6860

Conversions

Conversions Part 2

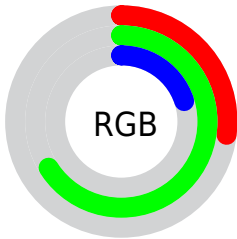
Format	Color
RYB	51, 169, 150
Decimal	4630835
CIELab	61.58, -50.99, 50.02
CIELCh	62, 71.422, 135.550
Yxy	29.9170, 0.3135, 0.5418
Android (android.graphics.Color)	4282820915 (0xFF46A933)
YUV	125.9470, -36.9489, -49.0655
Hunter-Lab	54.6964, -39.2239, 29.6220

Details

The XYZ color **17.3113, 29.9170, 7.9941** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **20.9245, 11.7173, 38.6965**, and the grayscale version is **19.9407, 20.9792, 22.8463**.

A 20% lighter version of the original color is **38.3260, 59.4391, 22.5496**, and **6.2454, 12.4908, 2.0818** is the 20% darker color. If you saturate the color by 10%, you get **16.0997, 29.3288, 6.3337**, and if you desaturate by 10%, it is **18.9013, 30.6864, 10.3804**.

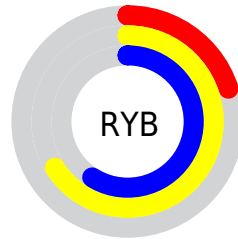
Distribution



Red (27%)

Green (66%)

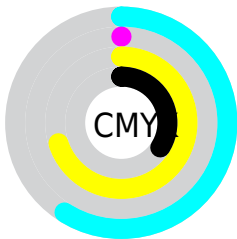
Blue (20%)



Red (20%)

Yellow (66%)

Blue (59%)

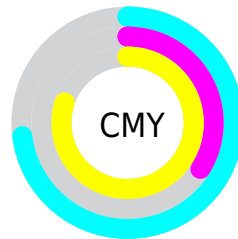


Cyan (59%)

Magenta (0%)

Yellow (70%)

Black (34%)



Cyan (73%)

Magenta (34%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3113, 29.9170, 7.9941 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 17.3113, 29.9170, 7.9941 by changing the saturation by 10% instead.

■ 17.3113, 29.9170,
7.9941

■ 17.3113, 29.9170,
7.9941

230.0814,
301.5174, 185.6186

■ 10.5534, 19.7756,
4.0035

■ 38.3996, 59.5309,
22.4929

■ 5.8324, 12.2320,
1.6272

■ 53.4607, 79.7722,
33.8380

■ 2.7831, 6.9019,
0.3101

■ 72.0202, 104.1489,
48.4718

■ 1.0401, 3.4008,
0.0000

■ 94.4434, 133.0454,
66.8128

■ 0.0000, 1.3444,
0.0000

■ 121.0958,
166.8461, 89.2794

■ 0.0000, 0.1752,
0.0000

■ 152.3427,

■ 0.0000, 0.0000,

205.9354, 116.2902

0.0000

188.5495,
250.6977, 148.2637

■ 17.3113, 29.9170,
7.9941

■ 17.3113, 29.9170,
7.9941

■ 16.0997, 29.3288,
6.3337

■ 18.9013, 30.6864,
10.3804

■ 15.2316, 28.9029,
5.3147

■ 20.8964, 31.6466,
13.5607

■ 14.6545, 28.6171,
4.7600

■ 23.3231, 32.8108,
17.5976

■ 14.6461, 28.6130,
4.7509

■ 26.2052, 34.1900,
22.5468

■ 29.5646, 35.7944,
28.4594

■ 33.4218, 37.6337,
35.3827

■ 37.7962, 39.7167,
43.3609

■ 42.7059, 42.0520,
52.4354

■ 48.1684, 44.6476,
62.6456

Harmonies

Analogous

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



23.8254, 29.9170, 3.7299



17.3113, 29.9170, 7.9941



14.1895, 29.9170, 21.2115

Triad

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



17.3113, 29.9170, 7.9941



24.1267, 29.9170, 113.7320



49.8472, 29.9170, 20.4934

Complementary

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



17.3113, 29.9170, 7.9941



20.9245, 11.7173, 38.6965

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.



49.9789, 29.9170, 47.4074



17.3113, 29.9170, 7.9941



33.6043, 29.9170, 113.1368

Square

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



17.3113, 29.9170, 7.9941



17.4894, 29.9170, 85.8246



43.5251, 29.9170, 84.4815



43.1976, 29.9170, 7.7199

Rectangle

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



17.3113, 29.9170, 7.9941



13.8829, 29.9170, 37.8857



43.5251, 29.9170, 84.4815



50.6974, 29.9170, 27.7845

Sweetspot

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



17.3120, 29.9183, 7.9948



51.9533, 63.6293, 49.2040



27.7613, 30.2760, 7.5131



10.9682, 13.6988, 10.0961



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



17.3120, 29.9183, 7.9948



27.8776, 52.0567, 10.1756



17.4138, 29.8249, 14.5872



7.5451, 8.4636, 8.0252



10.9464, 21.3403, 3.5422



0.2984, 0.5357, 0.0877

Inverse Universe

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



20.9245, 11.7173, 38.6965



34.5756, 17.2388, 68.7302



21.5540, 12.4062, 22.2618



7.7216, 7.6046, 9.4792



13.6625, 6.4267, 28.4959



0.3631, 0.1722, 0.6947

Previews

White Background



This preview shows how the XYZ color 17.3113, 29.9170, 7.9941 looks on a white background.

Color Contrast Check

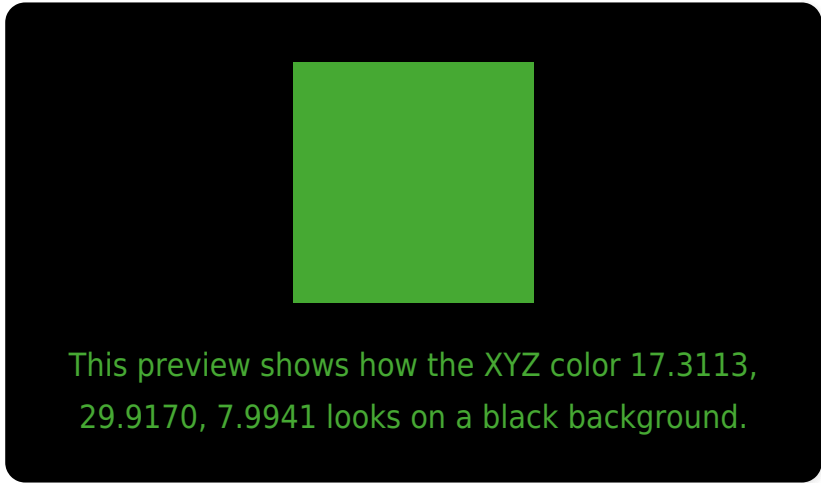
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.3113, 29.9170, 7.9941

Background



This preview shows how black text looks on a background with the XYZ color 17.3113, 29.9170, 7.9941.



This preview shows how white text looks on a background with the XYZ color 17.3113, 29.9170,

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

17.3113, 29.9170, 7.9941

Protanopia

26.5806, 29.3686, 6.7504

Deuteranopia

29.7488, 29.1604, 8.4755



Tritanopia

24.2969, 29.8269, 43.0047

Trichromacy



Original Color

17.3113, 29.9170, 7.9941

Protanomaly

21.6075, 28.7280, 7.0955

Deuteranomaly

22.9605, 28.1794, 8.0999

Tritanomaly

20.5888, 29.3514, 24.6589

Monochromacy



Original Color

17.3113, 29.9170, 7.9941

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

17.8690, 23.3110, 15.3621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3113, 29.9170, 7.9941 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(70, 169, 51)` looks like.

```
.text, #text, p{  
    color:rgb(70, 169, 51)  
}
```

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(70, 169, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 169, 51) }
```

Border

The CSS property to change the border of an element to XYZ 17.3113, 29.9170, 7.9941 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(70, 169, 51) }
```


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

```
.border{ border-color:rgb(70, 169, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 169, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 169, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 169, 51);  
box-shadow:4px 4px 4px 4px rgb(70, 169,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3113, 29.9170, 7.9941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 169, 51) }
```

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

```
.background{ background-color: rgb(70, 169,  
51) }
```

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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