

Converting Colors

XYZ(17.0489, 30.2219, 11.3854)

Have a look what the booklet for
XYZ(17.0489, 30.2219, 11.3854)
contains.

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Color

**XYZ(17.0656, 30.2732,
11.4224)**

Conversions

Conversions Part 1

Format	Color
Hex	31AB4A
RGB	49, 171, 74
RGB Percent	19%, 67%, 29%
CMY	0.8078, 0.3294, 0.7098
CMYK	0.71, 0.00, 0.57, 0.33
HSL	132°, 55%, 43%
HSV	132°, 71%, 67%
XYZ	17.0656, 30.2732, 11.4224
YIQ	123.4640, -41.5750, -56.0310

Conversions

Conversions Part 2

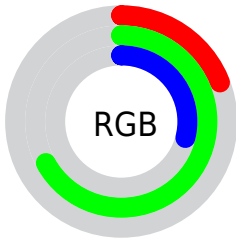
Format	Color
RYB	49, 150, 171
Decimal	3255114
CIELab	61.89, -53.65, 39.97
CIELCh	62, 66.904, 143.318
Yxy	30.2732, 0.2904, 0.5152
Android (android.graphics.Color)	4281445194 (0xFF31AB4A)
YUV	123.4640, -24.3858, -65.3049
Hunter-Lab	55.0211, -40.9225, 26.2061

Details

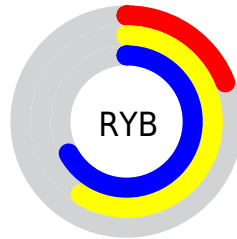
The XYZ color **17.0656, 30.2732, 11.4224** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **23.0822, 12.9305, 28.4745**, and the grayscale version is **19.0690, 20.0621, 21.8476**.

A 20% lighter version of the original color is **37.8528, 59.8636, 28.9618**, and **6.5159, 12.7844, 2.9348** is the 20% darker color. If you saturate the color by 10%, you get **15.9825, 29.7630, 9.2340**, and if you desaturate by 10%, it is **18.5620, 30.9867, 14.1483**.

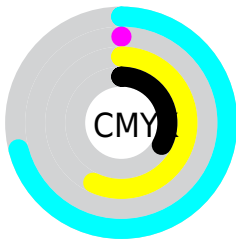
Distribution



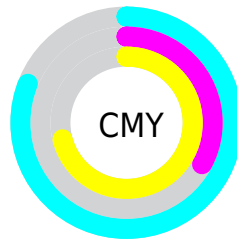
- Red (19%)
- Green (67%)
- Blue (29%)



- Red (19%)
- Yellow (59%)
- Blue (67%)



- Cyan (71%)
- Magenta (0%)
- Yellow (57%)
- Black (33%)



- Cyan (81%)
- Magenta (33%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0656, 30.2732, 11.4224 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 17.0656, 30.2732, 11.4224 by changing the saturation by 10% instead.

■ 17.0656, 30.2732,
11.4224

■ 17.0656, 30.2732,
11.4224

228.6990,
303.1758, 211.3834

■ 10.3769, 20.0460,
6.2340

■ 37.9812, 60.0940,
29.0871

■ 5.7137, 12.4285,
2.9168

■ 52.9388, 80.4564,
42.4006

■ 2.7108, 7.0362,
1.0523

■ 71.3835, 104.9660,
59.2594

■ 1.0027, 3.4848,
0.0000

■ 93.6804, 134.0072,
80.0821

■ 0.0000, 1.3897,
0.0000

■ 120.1951,
167.9643, 105.2873

■ 0.0000, 0.2091,
0.0000

151.2929,

■ 0.0000, 0.0000,

207.2219, 135.2936

0.0000

187.3390,
252.1643, 170.5194

■ 17.0656, 30.2732,
11.4224

■ 17.0656, 30.2732,
11.4224

■ 15.9825, 29.7630,
9.2340

■ 18.5620, 30.9867,
14.1483

■ 15.2665, 29.4306,
7.5453

■ 20.5072, 31.9186,
17.4421

■ 14.8675, 29.2486,
6.4553

■ 22.9351, 33.0866,
21.3342

■ 25.8758, 34.5056,
25.8524

■ 29.3567, 36.1893,
31.0225

■ 33.4036, 38.1503,
36.8692

■ 38.0402, 40.4005,
43.4157

■ 43.2893, 42.9510,
50.6840

■ 49.1720, 45.8124,
58.6953

Harmonies

Analogous

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



22.4876, 30.2732, 5.2627



17.0656, 30.2732, 11.4224



14.8471, 30.2732, 27.5560

Triad

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



17.0656, 30.2732, 11.4224



26.8183, 30.2732, 110.0980



47.6379, 30.2732, 17.0542

Complementary

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



17.0656, 30.2732, 11.4224



23.0822, 12.9305, 28.4745

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.



49.4636, 30.2732, 39.0333



17.0656, 30.2732, 11.4224



36.1342, 30.2732, 102.0583

Square

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



17.0656, 30.2732, 11.4224



19.6726, 30.2732, 90.3591



44.8914, 30.2732, 72.0193



40.3216, 30.2732, 7.1364

Rectangle

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



17.0656, 30.2732, 11.4224



15.0707, 30.2732, 45.6634



44.8914, 30.2732, 72.0193



48.9691, 30.2732, 22.8662

Sweetspot

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



17.0663, 30.2744, 11.4231



52.5561, 64.8018, 55.5310



27.0794, 35.5151, 8.3339



11.3270, 14.2607, 11.8057



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



17.0663, 30.2744, 11.4231



27.7587, 52.8993, 14.5677



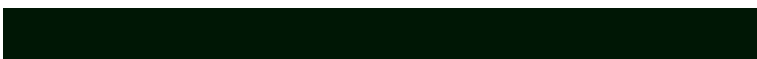
20.1615, 31.5125, 27.7217



7.9691, 8.9652, 8.8625



11.2234, 22.0546, 4.9500



0.3312, 0.6211, 0.2375

Inverse Universe

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



23.0822, 12.9305, 28.4745



39.0914, 19.8976, 46.4455



19.5574, 11.5206, 9.9133



8.2657, 8.1195, 9.7099



16.0278, 7.8737, 18.3236



0.4634, 0.2261, 0.6021

Previews

White Background



This preview shows how the XYZ color 17.0656, 30.2732, 11.4224 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 17.0656, 30.2732, 11.4224 looks on a 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 ✓ Pass

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

XYZ 17.0656, 30.2732, 11.4224

Background



This preview shows how black text looks on a background with the XYZ color 17.0656, 30.2732, 11.4224.



This preview shows how white text looks on a background with the XYZ color 17.0656, 30.2732,

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

17.0656, 30.2732, 11.4224

Protanopia

27.2776, 29.8995, 9.6437

Deuteranopia

30.1039, 29.4827, 12.0867



Tritanopia

23.7782, 30.2951, 44.6387

Trichromacy



Original Color

17.0656, 30.2732, 11.4224



Protanomaly

21.3308, 28.7671, 10.2227



Deuteranomaly

22.3124, 28.0075, 11.6271



Tritanomaly

20.4968, 30.0105, 28.7571

Monochromacy



Original Color

17.0656, 30.2732, 11.4224



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

16.7518, 22.2629, 16.7789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0656, 30.2732, 11.4224 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(49, 171, 74)` looks like.

```
.text, #text, p{  
    color:rgb(49, 171, 74)  
}
```

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(49, 171, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 171, 74) }
```

Border

The CSS property to change the border of an element to XYZ 17.0656, 30.2732, 11.4224 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(49, 171, 74) }
```


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

```
.border{ border-color:rgb(49, 171, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 171, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 171, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 171, 74);  
box-shadow:4px 4px 4px 4px rgb(49, 171,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0656, 30.2732, 11.4224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 171, 74) }
```

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

```
.background{ background-color: rgb(49, 171,  
74) }
```

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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