

Converting Colors

XYZ(13.6190, 17.6331, 5.4804)

Have a look what the booklet for
XYZ(13.6190, 17.6331, 5.4804)
contains.

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Color

**XYZ(13.6850, 17.6929,
5.4901)**

Conversions

Conversions Part 1

Format	Color
Hex	6A7C30
RGB	106, 124, 48
RGB Percent	42%, 49%, 19%
CMY	0.5843, 0.5137, 0.8118
CMYK	0.15, 0.00, 0.61, 0.51
HSL	74°, 44%, 34%
HSV	74°, 61%, 49%
XYZ	13.6850, 17.6929, 5.4901
YIQ	109.9540, 13.6680, -27.4520

Conversions

Conversions Part 2

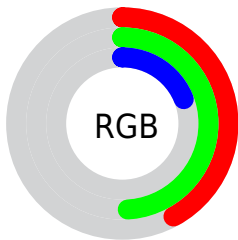
Format	Color
R_{YB}	48, 124, 66
Decimal	6978608
CIE Lab	49.12, -18.63, 38.39
CIE LCh	49, 42.674, 115.890
Yxy	17.6929, 0.3712, 0.4799
Android (android.graphics.Color)	4285168688 (0xFF6A7C30)
YUV	109.9540, -30.5433, -3.4677
Hunter-Lab	42.0629, -15.5359, 21.7055

Details

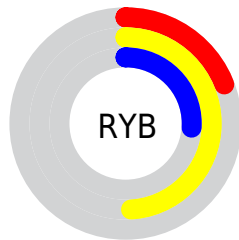
The XYZ color **13.6850, 17.6929, 5.4901** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **6.9425, 4.7279, 19.6165**, and the grayscale version is **14.8903, 15.6658, 17.0600**.

A 20% lighter version of the original color is **32.1779, 39.6783, 17.2720**, and **4.1470, 5.8729, 0.9150** is the 20% darker color. If you saturate the color by 10%, you get **13.1211, 17.4283, 4.3098**, and if you desaturate by 10%, it is **14.3333, 17.9939, 7.0487**.

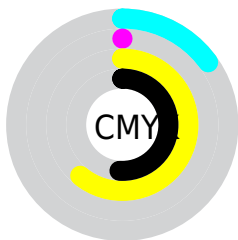
Distribution



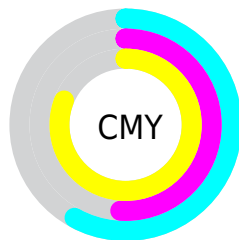
- Red (42%)
- Green (49%)
- Blue (19%)



- Red (19%)
- Yellow (49%)
- Blue (26%)



- Cyan (15%)
- Magenta (0%)
- Yellow (61%)
- Black (51%)



- Cyan (58%)
- Magenta (51%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6850, 17.6929, 5.4901 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 13.6850, 17.6929, 5.4901 by changing the saturation by 10% instead.

■ 13.6850, 17.6929,
5.4901

■ 13.6850, 17.6929,
5.4901

208.8124,
239.1343, 163.5748

■ 7.9821, 10.7297,
2.4739

■ 32.1200, 39.5133,
17.3220

■ 4.1352, 5.8854,
0.8263

■ 45.5829, 55.1394,
26.9748

■ 1.7789, 2.7755,
0.0000

■ 62.3631, 74.4219,
39.6768

■ 0.5049, 1.0157,
0.0000

■ 82.8261, 97.7452,
55.8467

■ 0.0000, 0.0000,
0.0000

■ 107.3371,
125.4937, 75.9028

■ 136.2616,

158.0518, 100.2639

169.9649,
195.8038, 129.3484

■ 13.6850, 17.6929,
5.4901

■ 13.6850, 17.6929,
5.4901

■ 13.1211, 17.4283,
4.3098

■ 14.3333, 17.9939,
7.0487

■ 12.6341, 17.1952,
3.4744

■ 15.0703, 18.3311,
9.0131

■ 12.2171, 16.9915,
2.9464

■ 15.9014, 18.7074,
11.4095

■ 11.8889, 16.8292,
2.6217

■ 16.8312, 19.1245,
14.2617

■ 17.8641, 19.5844,
17.5916

■ 19.0040, 20.0885,
21.4198

■ 20.2548, 20.6384,
25.7656

■ 21.6199, 21.2355,
30.6475

■ 23.1029, 21.8812,
36.0828

Harmonies

Analogous

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



17.3723, 17.6929, 4.6114



13.6850, 17.6929, 5.4901



11.2321, 17.6929, 9.3854

Triad

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



13.6850, 17.6929, 5.4901



12.8717, 17.6929, 43.7749



25.6854, 17.6929, 20.8823

Complementary

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



13.6850, 17.6929, 5.4901



6.9425, 4.7279, 19.6165

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.



23.9998, 17.6929, 34.3947



13.6850, 17.6929, 5.4901



16.2728, 17.6929, 50.5292

Square

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



13.6850, 17.6929, 5.4901



10.8172, 17.6929, 30.5355



20.3928, 17.6929, 46.5529



24.7034, 17.6929, 11.1770

Rectangle

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



13.6850, 17.6929, 5.4901



10.4210, 17.6929, 14.3904



20.3928, 17.6929, 46.5529



25.4056, 17.6929, 25.1311

Sweetspot

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



13.6854, 17.6937, 5.4905



30.1188, 33.8766, 26.6855



10.7790, 8.3644, 3.8429



6.9913, 7.9329, 5.9609



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.6854, 17.6937, 5.4905



22.6899, 30.4781, 6.8559



10.1443, 15.8682, 5.3248



4.2194, 4.5884, 4.2878



12.0831, 17.1063, 2.6650



56.8545, 81.1950, 12.6757

Inverse Universe

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



6.9425, 4.7279, 19.6165



9.7428, 5.5000, 34.1047



10.3737, 6.4967, 19.7771



3.8784, 3.9352, 4.9983



4.2223, 1.7494, 19.5004



19.4937, 8.0114, 92.9887

Previews

White Background



This preview shows how the XYZ color 13.6850, 17.6929, 5.4901 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



This preview shows how the XYZ color 13.6850, 17.6929, 5.4901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

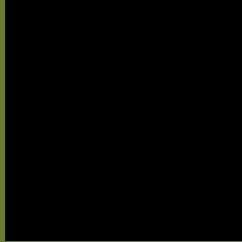
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.6850, 17.6929, 5.4901

Background



This preview shows how black text looks on a background with the XYZ color 13.6850, 17.6929, 5.4901.



This preview shows how white text looks on a background with the XYZ color 13.6850, 17.6929,

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

13.6850, 17.6929, 5.4901

Protanopia

16.0604, 17.6657, 5.1481

Deuteranopia

17.8059, 17.5461, 5.6971



Tritanopia

17.0173, 17.6163, 21.9054

Trichromacy



Original Color

13.6850, 17.6929, 5.4901

Protanomaly

15.1147, 17.7031, 5.3097

Deuteranomaly

16.0489, 17.4756, 5.6592

Tritanomaly

15.4366, 17.5015, 13.8738

Monochromacy



Original Color

13.6850, 17.6929, 5.4901

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.1577, 16.2008, 11.3977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6850, 17.6929, 5.4901 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(106, 124, 48)` looks like.

```
.text, #text, p{  
    color:rgb(106, 124, 48)  
}
```

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(106, 124, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 124, 48) }
```

Border

The CSS property to change the border of an element to XYZ 13.6850, 17.6929, 5.4901 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(106, 124, 48) }
```


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

```
.border{ border-color:rgb(106, 124, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 124, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 124, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 124, 48);  
box-shadow:4px 4px 4px 4px rgb(106, 124,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6850, 17.6929, 5.4901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 124, 48) }
```

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

```
.background{ background-color: rgb(106,  
124, 48) }
```

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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