

Converting Colors

XYZ(12.5606, 16.0645, 3.9593)

Have a look what the booklet for
XYZ(12.5606, 16.0645, 3.9593)
contains.

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Color

**XYZ(12.5929, 16.0756,
3.9526)**

Conversions

Conversions Part 1

Format	Color
Hex	697622
RGB	105, 118, 34
RGB Percent	41%, 46%, 13%
CMY	0.5882, 0.5372, 0.8667
CMYK	0.11, 0.00, 0.71, 0.54
HSL	69°, 55%, 30%
HSV	69°, 71%, 46%
XYZ	12.5929, 16.0756, 3.9526
YIQ	104.5370, 19.2160, -28.8800

Conversions

Conversions Part 2

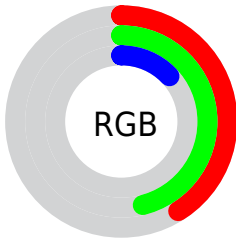
Format	Color
R_{YB}	34, 118, 47
Decimal	6911522
CIE _{Lab}	47.07, -16.97, 42.53
CIE _{LCh}	47, 45.786, 111.756
Yxy	16.0756, 0.3860, 0.4928
Android (android.graphics.Color)	4285101602 (0xFF697622)
YUV	104.5370, -34.7747, 0.4061
Hunter-Lab	40.0944, -14.1017, 22.2211

Details

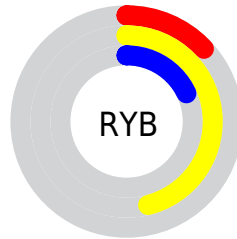
The XYZ color **12.5929, 16.0756, 3.9526** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **5.0149, 3.0568, 17.4662**, and the grayscale version is **13.3898, 14.0871, 15.3408**.

A 20% lighter version of the original color is **30.0755, 36.6586, 13.8782**, and **3.7657, 5.1925, 0.8038** is the 20% darker color. If you saturate the color by 10%, you get **12.2390, 15.9101, 3.1953**, and if you desaturate by 10%, it is **13.0107, 16.2683, 5.0189**.

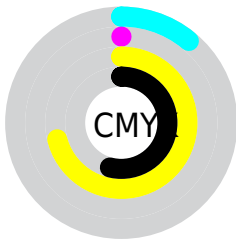
Distribution



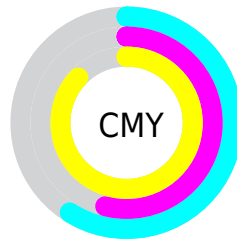
- Red (41%)
- Green (46%)
- Blue (13%)



- Red (13%)
- Yellow (46%)
- Blue (18%)



- Cyan (11%)
- Magenta (0%)
- Yellow (71%)
- Black (54%)



- Cyan (59%)
- Magenta (54%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5929, 16.0756, 3.9526 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 12.5929, 16.0756, 3.9526 by changing the saturation by 10% instead.

■ 12.5929, 16.0756,
3.9526

■ 12.5929, 16.0756,
3.9526

201.9827,
229.7874, 147.6971

■ 7.2239, 9.5777,
1.5994

■ 30.1780, 36.7294,
13.9003

■ 3.6501, 5.1198,
0.2904

■ 43.1248, 51.6541,
22.3318

■ 1.5061, 2.3178,
0.0000

■ 59.3283, 70.1564,
33.6266

■ 0.3300, 0.7831,
0.0000

■ 79.1538, 92.6208,
48.2031

■ 0.0000, 0.0000,
0.0000

■ 102.9666,
119.4318, 66.4798

■ 131.1321,

150.9736, 88.8754

164.0157,
187.6307, 115.8083

12.5929, 16.0756,
3.9526

12.5929, 16.0756,
3.9526

12.2390, 15.9101,
3.1953

13.0107, 16.2683,
5.0189

11.9415, 15.7671,
2.7128

13.4966, 16.4883,
6.4216

11.7052, 15.6519,
2.4042

14.0559, 16.7381,
8.1862

14.6928, 17.0196,
10.3356

15.4116, 17.3343,
12.8906

■ 16.2157, 17.6837,
15.8708

■ 17.1088, 18.0693,
19.2942

■ 18.0940, 18.4922,
23.1781

■ 19.1746, 18.9539,
27.5385

Harmonies

Analogous

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



16.4133, 16.0756, 3.4741



12.5929, 16.0756, 3.9526



9.9830, 16.0756, 7.0749

Triad

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



12.5929, 16.0756, 3.9526



10.9816, 16.0756, 41.2422



24.2635, 16.0756, 20.8690

Complementary

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



12.5929, 16.0756, 3.9526



5.0149, 3.0568, 17.4662

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.



22.1797, 16.0756, 35.0659



12.5929, 16.0756, 3.9526



14.1990, 16.0756, 49.7676

Square

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



12.5929, 16.0756, 3.9526



9.1725, 16.0756, 27.0438



18.3231, 16.0756, 47.1141



23.6293, 16.0756, 10.5212

Rectangle

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



12.5929, 16.0756, 3.9526



9.0578, 16.0756, 11.4543



18.3231, 16.0756, 47.1141



23.8463, 16.0756, 25.3775

Sweetspot

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



12.5933, 16.0763, 3.9529



27.0520, 30.4581, 22.5006



8.7611, 5.9687, 2.2039



6.1557, 6.9749, 4.9420



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.5933, 16.0763, 3.9529



21.1976, 27.8200, 5.0606



8.8433, 14.1432, 3.7774



3.9137, 4.2390, 3.9542



12.6544, 16.9279, 2.6005



61.0806, 82.1900, 12.6450

Inverse Universe

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



5.0149, 3.0568, 17.4662



7.0548, 3.4261, 30.4265



7.9241, 4.5566, 17.6023



3.5486, 3.6146, 4.6009



3.8052, 1.5530, 18.6418



18.0644, 7.3210, 90.8213

Previews

White Background



This preview shows how the XYZ color 12.5929, 16.0756, 3.9526 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 12.5929, 16.0756, 3.9526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

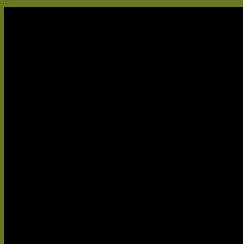
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5929, 16.0756, 3.9526

Background



This preview shows how black text looks on a background with the XYZ color 12.5929, 16.0756, 3.9526.



This preview shows how white text looks on a background with the XYZ color 12.5929, 16.0756,

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

12.5929, 16.0756, 3.9526

Protanopia

14.5123, 16.0526, 3.7001

Deuteranopia

16.1677, 15.9435, 4.1447



Tritanopia

15.7158, 15.9945, 19.7117

Trichromacy



Original Color

12.5929, 16.0756, 3.9526

Protanomaly

13.7630, 15.9960, 3.8010

Deuteranomaly

14.6623, 15.7975, 4.0267

Tritanomaly

14.0970, 15.8298, 11.5450

Monochromacy



Original Color

12.5929, 16.0756, 3.9526

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.8129, 14.7196, 9.5630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5929, 16.0756, 3.9526 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(105, 118, 34)` looks like.

```
.text, #text, p{  
    color:rgb(105, 118, 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(105, 118, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 118, 34) }
```

Border

The CSS property to change the border of an element to XYZ 12.5929, 16.0756, 3.9526 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(105, 118, 34) }
```


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

```
.border{ border-color:rgb(105, 118, 34) }
```

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

Here you see how a box with a 4 pixel rgb(105, 118, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 118, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 118, 34);  
box-shadow:4px 4px 4px 4px rgb(105, 118,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5929, 16.0756, 3.9526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 118, 34) }
```

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

```
.background{ background-color: rgb(105,  
118, 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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