

Converting Colors

XYZ(15.9967, 27.5237, 7.3595)

Have a look what the booklet for
XYZ(15.9967, 27.5237, 7.3595)
contains.

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Color

**XYZ(16.0355, 27.6451,
7.3966)**

Conversions

Conversions Part 1

Format	Color
Hex	44A331
RGB	68, 163, 49
RGB Percent	27%, 64%, 19%
CMY	0.7333, 0.3608, 0.8078
CMYK	0.58, 0.00, 0.70, 0.36
HSL	110°, 54%, 42%
HSV	110°, 70%, 64%
XYZ	16.0355, 27.6451, 7.3966
YIQ	121.5990, -20.0260, -55.5940

Conversions

Conversions Part 2

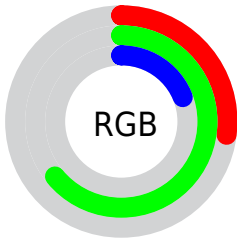
Format	Color
RYB	49, 163, 144
Decimal	4498225
CIELab	59.57, -49.44, 48.68
CIElCh	60, 69.383, 135.441
Yxy	27.6451, 0.3139, 0.5412
Android (android.graphics.Color)	4282688305 (0xFF44A331)
YUV	121.5990, -35.7913, -47.0063
Hunter-Lab	52.5786, -37.5734, 28.4643

Details

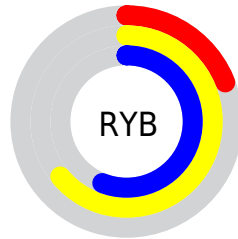
The XYZ color **16.0355, 27.6451, 7.3966** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **19.2123, 10.7713, 35.7183**, and the grayscale version is **18.4862, 19.4489, 21.1799**.

A 20% lighter version of the original color is **36.2847, 56.0382, 21.2160**, and **5.5759, 11.1519, 1.8586** is the 20% darker color. If you saturate the color by 10%, you get **14.9119, 27.0995, 5.8620**, and if you desaturate by 10%, it is **17.5044, 28.3560, 9.5980**.

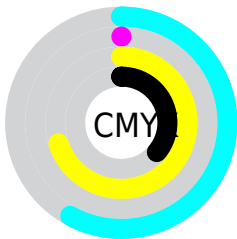
Distribution



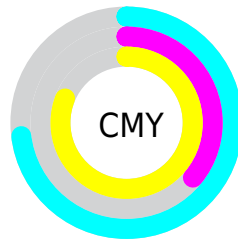
- Red (27%)
- Green (64%)
- Blue (19%)



- Red (19%)
- Yellow (64%)
- Blue (56%)



- Cyan (58%)
- Magenta (0%)
- Yellow (70%)
- Black (36%)





- Cyan (73%)
- Magenta (36%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.0355, 27.6451, 7.3966 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 16.0355, 27.6451, 7.3966 by changing the saturation by 10% instead.


 16.0355, 27.6451,
7.3966


 16.0355, 27.6451,
7.3966


222.8174,
290.7672, 180.6737


 9.6403, 18.0583,
3.6292


 36.2168, 55.9173,
21.2930


 5.2215, 10.9919,
1.4242


 50.7335, 75.3715,
32.2591


 2.4139, 6.0614,
0.1605

 68.6882, 98.8837,
46.4618

 0.8521, 2.8824,
0.0000

 90.4461, 126.8382,
64.3197

 0.0000, 1.0707,
0.0000

 116.3726,
159.6193, 86.2513

 0.0000, 0.0000,
0.0000

 146.8331,

197.6116, 112.6751

182.1929,
241.1995, 144.0098

■ 16.0355, 27.6451,
7.3966

■ 16.0355, 27.6451,
7.3966

■ 14.9119, 27.0995,
5.8620

■ 17.5044, 28.3560,
9.5980

■ 14.1021, 26.7021,
4.9169

■ 19.3426, 29.2406,
12.5285

■ 13.5569, 26.4322,
4.3903

■ 21.5742, 30.3111,
16.2452

■ 13.5541, 26.4308,
4.3873

■ 24.2205, 31.5773,
20.7993

■ 27.3015, 33.0484,
26.2374

■ 30.8357, 34.7332,
32.6028

■ 34.8406, 36.6396,
39.9360

■ 39.3326, 38.7754,
48.2749

■ 44.3276, 41.1480,
57.6557

Harmonies

Analogous

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



22.0539, 27.6451, 3.4700



16.0355, 27.6451, 7.3966



13.1441, 27.6451, 19.5585

Triad

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



16.0355, 27.6451, 7.3966



22.2769, 27.6451, 104.7592



46.0119, 27.6451, 19.0266

Complementary

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



16.0355, 27.6451, 7.3966



19.2123, 10.7713, 35.7183

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.



46.1092, 27.6451, 43.8795



16.0355, 27.6451, 7.3966



31.0049, 27.6451, 104.3195

Square

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



16.0355, 27.6451, 7.3966



16.1675, 27.6451, 79.0124



40.1481, 27.6451, 78.0199



39.9059, 27.6451, 7.1930

Rectangle

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



16.0355, 27.6451, 7.3966



12.8542, 27.6451, 34.8951



40.1481, 27.6451, 78.0199



46.7868, 27.6451, 25.7671

Sweetspot

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



16.0362, 27.6463, 7.3972



48.0418, 58.7786, 45.4713



25.6331, 27.9562, 6.9512



10.4551, 13.0416, 9.6188



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



16.0362, 27.6463, 7.3972



25.8242, 48.0998, 9.4262



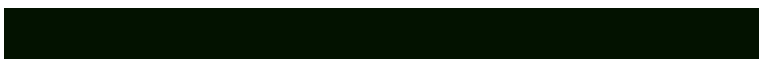
16.0850, 27.5368, 13.4849



7.0905, 7.9491, 7.5407



10.5609, 20.5548, 3.4109



0.2511, 0.4470, 0.0730

Inverse Universe

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



19.2123, 10.7713, 35.7183



31.7047, 15.8201, 63.4387



19.9053, 11.4646, 20.5669



7.2480, 7.1422, 8.8996



13.0411, 6.1294, 27.4255



0.3029, 0.1437, 0.5776

Previews

White Background



This preview shows how the XYZ color 16.0355, 27.6451, 7.3966 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



This preview shows how the XYZ color 16.0355, 27.6451, 7.3966 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 16.0355, 27.6451, 7.3966

Background



This preview shows how black text looks on a background with the XYZ color 16.0355, 27.6451, 7.3966.



This preview shows how white text looks on a background with the XYZ color 16.0355, 27.6451,

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

16.0355, 27.6451, 7.3966

Protanopia

24.7743, 27.3004, 6.3466

Deuteranopia

27.5849, 26.9908, 7.8935



Tritanopia

22.4334, 27.4484, 39.7130

Trichromacy



Original Color

16.0355, 27.6451, 7.3966



Protanomaly

20.1519, 26.5220, 6.6419



Deuteranomaly

21.1315, 25.8450, 7.4893



Tritanomaly

19.0309, 27.0460, 22.9563

Monochromacy



Original Color

16.0355, 27.6451, 7.3966



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

16.4907, 21.5423, 14.1154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0355, 27.6451, 7.3966 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(68, 163, 49)` looks like.

```
.text, #text, p{  
    color:rgb(68, 163, 49)  
}
```

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(68, 163, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 163, 49) }
```

Border

The CSS property to change the border of an element to XYZ 16.0355, 27.6451, 7.3966 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(68, 163, 49) }
```


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

```
.border{ border-color:rgb(68, 163, 49) }
```

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

Here you see how a box with a 4 pixel rgb(68, 163, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 163, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 163, 49);  
box-shadow:4px 4px 4px 4px rgb(68, 163,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0355, 27.6451, 7.3966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 163, 49) }
```

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

```
.background{ background-color: rgb(68, 163,  
49) }
```

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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