

Converting Colors

XYZ(16.8496, 28.1233, 8.5909)

Have a look what the booklet for
XYZ(16.8496, 28.1233, 8.5909)
contains.

XYZ(16.7626, 27.9957, 8.5232)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.7626, 27.9957,
8.5232)**

Conversions

Conversions Part 1

Format	Color
Hex	4BA33A
RGB	75, 163, 58
RGB Percent	29%, 64%, 23%
CMY	0.7059, 0.3608, 0.7725
CMYK	0.54, 0.00, 0.64, 0.36
HSL	110°, 48%, 43%
HSV	110°, 64%, 64%
XYZ	16.7626, 27.9957, 8.5232
YIQ	124.7180, -18.7430, -51.3110

Conversions

Conversions Part 2

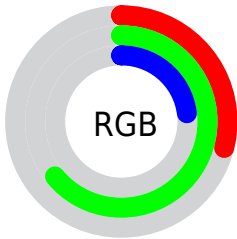
Format	Color
RYB	58, 163, 146
Decimal	4956986
CIELab	59.88, -46.69, 45.28
CIElCh	60, 65.044, 135.880
Yxy	27.9957, 0.3146, 0.5254
Android (android.graphics.Color)	4283147066 (0xFF4BA33A)
YUV	124.7180, -32.8920, -43.6027
Hunter-Lab	52.9110, -36.0440, 27.4869

Details

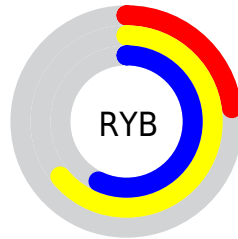
The XYZ color **16.7626, 27.9957, 8.5232** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **19.9793, 11.7823, 35.8729**, and the grayscale version is **19.5104, 20.5265, 22.3533**.

A 20% lighter version of the original color is **37.5061, 56.6141, 23.7027**, and **5.5759, 11.1519, 1.8586** is the 20% darker color. If you saturate the color by 10%, you get **15.4558, 27.3634, 6.6298**, and if you desaturate by 10%, it is **18.4315, 28.8012, 11.1200**.

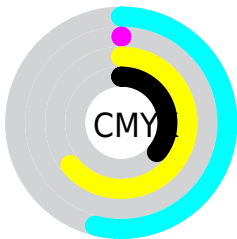
Distribution



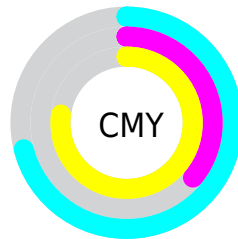
- Red (29%)
- Green (64%)
- Blue (23%)



- Red (23%)
- Yellow (64%)
- Blue (57%)



- Cyan (54%)
- Magenta (0%)
- Yellow (64%)
- Black (36%)





- Cyan (71%)
- Magenta (36%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.7626, 27.9957, 8.5232 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 16.7626, 27.9957, 8.5232 by changing the saturation by 10% instead.


 16.7626, 27.9957,
8.5232


 16.7626, 27.9957,
8.5232


226.9836,
292.4464, 189.8652


 10.1596, 18.3224,
4.3390


 37.4640, 56.4776,
23.5408


 5.5680, 11.1817,
1.8131


 52.2931, 76.0550,
35.2113

 2.6224, 6.1892,
0.4366

 70.5951, 99.7025,
50.2142

 0.9574, 2.9605,
0.0000

 92.7351, 127.8046,
68.9682

 0.0000, 1.1111,
0.0000

 119.0786,
160.7456, 91.8917

 0.0000, 0.0000,
0.0000

 149.9910,

198.9100, 119.4034

185.8375,
242.6821, 151.9217

■ 16.7626, 27.9957,
8.5232

■ 16.7626, 27.9957,
8.5232

■ 15.4558, 27.3634,
6.6298

■ 18.4315, 28.8012,
11.1200

■ 14.4814, 26.8880,
5.3693

■ 20.4853, 29.7877,
14.4780

■ 13.8078, 26.5558,
4.6594

■ 22.9471, 30.9670,
18.6512

■ 13.5337, 26.4202,
4.3863

■ 25.8376, 32.3486,
23.6881

■ 29.1761, 33.9416,
29.6335

■ 32.9808, 35.7543,
36.5289

■ 37.2687, 37.7947,
44.4136

■ 42.0561, 40.0704,
53.3242

■ 47.3585, 42.5887,
63.2960

Harmonies

Analogous

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



22.4975, 27.9957, 4.3315



16.7626, 27.9957, 8.5232



13.9924, 27.9957, 20.6827

Triad

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



16.7626, 27.9957, 8.5232



22.9214, 27.9957, 99.2442



44.9840, 27.9957, 19.6582

Complementary

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



16.7626, 27.9957, 8.5232



19.9793, 11.7823, 35.8729

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.



45.1634, 27.9957, 42.9725



16.7626, 27.9957, 8.5232



31.1934, 27.9957, 98.4521

Square

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



16.7626, 27.9957, 8.5232



17.0173, 27.9957, 76.1532



39.7092, 27.9957, 74.3490



39.2605, 27.9957, 8.1078

Rectangle

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



16.7626, 27.9957, 8.5232



13.7360, 27.9957, 35.3815



39.7092, 27.9957, 74.3490



45.7293, 27.9957, 26.0581

Sweetspot

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



16.7633, 27.9969, 8.5238



49.1963, 59.3278, 47.6051



26.0711, 28.4972, 8.1298



10.6887, 13.1527, 10.0515



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.



16.7633, 27.9969, 8.5238



26.9102, 48.6296, 10.8385



16.8188, 27.8855, 14.8526



7.0874, 7.9476, 7.5406



10.5446, 20.5464, 3.4101



0.2501, 0.4464, 0.0730

Inverse Universe

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



19.9793, 11.7823, 35.8729



32.9966, 17.2533, 63.6472



20.5146, 12.3719, 21.7299



7.2512, 7.1439, 8.8998



13.1384, 6.1796, 27.4301



0.3043, 0.1444, 0.5777

Previews

White Background



This preview shows how the XYZ color 16.7626, 27.9957, 8.5232 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 16.7626, 27.9957, 8.5232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

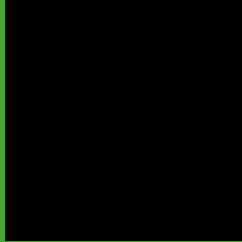
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.7626, 27.9957, 8.5232

Background



This preview shows how black text looks on a background with the XYZ color 16.7626, 27.9957, 8.5232.



This preview shows how white text looks on a background with the XYZ color 16.7626, 27.9957,

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

16.7626, 27.9957, 8.5232

Protanopia

25.1131, 27.6771, 7.3868

Deuteranopia

27.9190, 27.3488, 8.9616



Tritanopia

23.1125, 28.0405, 39.7915

Trichromacy



Original Color

16.7626, 27.9957, 8.5232



Protanomaly

20.8095, 27.0762, 7.7439



Deuteranomaly

21.9913, 26.4921, 8.6570



Tritanomaly

19.9427, 27.7441, 24.0427

Monochromacy



Original Color

16.7626, 27.9957, 8.5232



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

17.6450, 22.5306, 15.7308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7626, 27.9957, 8.5232 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(75, 163, 58)` looks like.

```
.text, #text, p{  
    color:rgb(75, 163, 58)  
}
```

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(75, 163, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 163, 58) }
```

Border

The CSS property to change the border of an element to XYZ 16.7626, 27.9957, 8.5232 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(75, 163, 58) }
```


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

```
.border{ border-color:rgb(75, 163, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 163, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 163, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 163, 58);  
box-shadow:4px 4px 4px 4px rgb(75, 163,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7626, 27.9957, 8.5232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 163, 58) }
```

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

```
.background{ background-color: rgb(75, 163,  
58) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor