

Converting Colors

XYZ(16.9232, 27.0884, 8.2371)

Have a look what the booklet for
XYZ(16.9232, 27.0884, 8.2371)
contains.

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Color

**XYZ(16.8830, 27.0230,
8.1970)**

Conversions

Conversions Part 1

Format	Color
Hex	559F39
RGB	85, 159, 57
RGB Percent	33%, 62%, 22%
CMY	0.6667, 0.3765, 0.7765
CMYK	0.47, 0.00, 0.64, 0.38
HSL	104°, 47%, 42%
HSV	104°, 64%, 62%
XYZ	16.8830, 27.0230, 8.1970
YIQ	125.2460, -11.3620, -47.4100

Conversions

Conversions Part 2

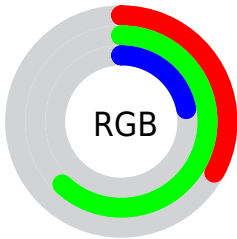
Format	Color
RYB	57, 159, 131
Decimal	5611321
CIELab	59.00, -42.19, 44.85
CIELCh	59, 61.579, 133.248
Yxy	27.0230, 0.3240, 0.5186
Android (android.graphics.Color)	4283801401 (0xFF559F39)
YUV	125.2460, -33.6453, -35.2957
Hunter-Lab	51.9837, -32.9990, 27.0395

Details

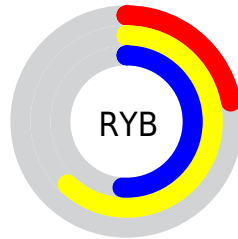
The XYZ color **16.8830, 27.0230, 8.1970** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **17.0825, 10.2556, 33.8816**, and the grayscale version is **19.6893, 20.7147, 22.5583**.

A 20% lighter version of the original color is **37.5686, 54.7513, 22.7753**, and **5.6837, 10.7350, 1.7725** is the 20% darker color. If you saturate the color by 10%, you get **15.5837, 26.3929, 6.3802**, and if you desaturate by 10%, it is **18.4786, 27.7931, 10.6772**.

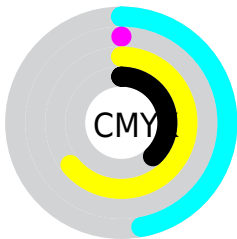
Distribution



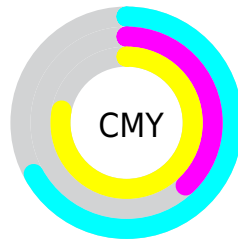
- Red (33%)
- Green (62%)
- Blue (22%)



- Red (22%)
- Yellow (62%)
- Blue (51%)



- Cyan (47%)
- Magenta (0%)
- Yellow (64%)
- Black (38%)





- Cyan (67%)
- Magenta (38%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.8830, 27.0230, 8.1970 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 16.8830, 27.0230, 8.1970 by changing the saturation by 10% instead.


 16.8830, 27.0230,
8.1970


 16.8830, 27.0230,
8.1970

227.6666,
287.7685, 187.2610


 10.2459, 17.5905,
4.1317


 37.6697, 54.9208,
22.8963


 5.6258, 10.6564,
1.6979


 52.5500, 74.1548,
34.3673


 2.6574, 5.8363,
0.3593

 70.9088, 97.4249,
49.1440

 0.9753, 2.7458,
0.0000

 93.1113, 125.1153,
67.6448

 0.0000, 1.0005,
0.0000

 119.5230,
157.6104, 90.2884

 0.0000, 0.0000,
0.0000

 150.5092,

195.2948, 117.4933

186.4353,
238.5526, 149.6780

■ 16.8830, 27.0230,
8.1970

■ 16.8830, 27.0230,
8.1970

■ 15.5837, 26.3929,
6.3802

■ 18.4786, 27.7931,
10.6772

■ 14.5585, 25.8903,
5.1612

■ 20.3868, 28.7081,
13.8747

■ 13.7845, 25.5059,
4.4637

■ 22.6248, 29.7764,
17.8399

■ 13.4222, 25.3250,
4.1808

■ 25.2081, 31.0050,
22.6181

■ 28.1510, 32.4005,
28.2512

■ 31.4670, 33.9689,
34.7781

■ 35.1690, 35.7162,
42.2353

■ 39.2691, 37.6477,
50.6575

■ 43.7790, 39.7688,
60.0772

Harmonies

Analogous

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



22.4654, 27.0230, 4.5420



16.8830, 27.0230, 8.1970



14.0370, 27.0230, 18.8942

Triad

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



16.8830, 27.0230, 8.1970



21.6819, 27.0230, 90.8249



42.7854, 27.0230, 20.8027

Complementary

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



16.8830, 27.0230, 8.1970



17.0825, 10.2556, 33.8816

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.



42.4599, 27.0230, 43.2790



16.8830, 27.0230, 8.1970



29.1974, 27.0230, 92.2423

Square

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



16.8830, 27.0230, 8.1970



16.4078, 27.0230, 68.6469



37.1114, 27.0230, 71.8934



37.9283, 27.0230, 8.9968

Rectangle

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



16.8830, 27.0230, 8.1970



13.6402, 27.0230, 31.8704



37.1114, 27.0230, 71.8934



43.3033, 27.0230, 27.1051

Sweetspot

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



16.8836, 27.0242, 8.1976



47.5852, 56.6834, 45.1404



23.0337, 23.6594, 7.2240



10.4127, 12.6296, 9.5763



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.8836, 27.0242, 8.1976



27.0576, 46.8496, 10.3600



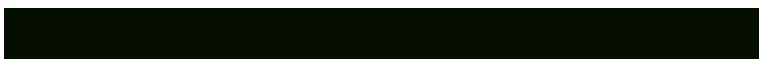
15.5012, 26.2334, 11.6633



6.7132, 7.4848, 7.0765



10.6366, 20.0201, 3.3037



0.2277, 0.3773, 0.0608

Inverse Universe

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



17.0825, 10.2556, 33.8816



27.3272, 14.3322, 60.0695



20.2704, 12.1012, 24.8979



6.7265, 6.6630, 8.3382



10.6058, 4.8965, 26.2934



0.2277, 0.1072, 0.4719

Previews

White Background



This preview shows how the XYZ color 16.8830, 27.0230, 8.1970 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 16.8830, 27.0230, 8.1970 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 16.8830, 27.0230, 8.1970

Background



This preview shows how black text looks on a background with the XYZ color 16.8830, 27.0230, 8.1970.



This preview shows how white text looks on a background with the XYZ color 16.8830, 27.0230,

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

16.8830, 27.0230, 8.1970

Protanopia

24.2453, 26.5668, 7.0989

Deuteranopia

27.1584, 26.5458, 8.6935



Tritanopia

22.7740, 26.9517, 37.7201

Trichromacy



Original Color

16.8830, 27.0230, 8.1970

Protanomaly

20.6158, 26.2714, 7.4744

Deuteranomaly

21.8473, 25.7435, 8.3749

Tritanomaly

19.7903, 26.6993, 22.8493

Monochromacy



Original Color

16.8830, 27.0230, 8.1970

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

17.6763, 22.1264, 15.3958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8830, 27.0230, 8.1970 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(85, 159, 57)` looks like.

```
.text, #text, p{  
    color:rgb(85, 159, 57)  
}
```

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(85, 159, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 159, 57) }
```

Border

The CSS property to change the border of an element to XYZ 16.8830, 27.0230, 8.1970 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(85, 159, 57) }
```


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

```
.border{ border-color:rgb(85, 159, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 159, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 159, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 159, 57);  
box-shadow:4px 4px 4px 4px rgb(85, 159,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8830, 27.0230, 8.1970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 159, 57) }
```

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

```
.background{ background-color: rgb(85, 159,  
57) }
```

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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