

Converting Colors

XYZ(19.7526, 30.7884, 13.2857)

Have a look what the booklet for
XYZ(19.7526, 30.7884, 13.2857)
contains.

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Color

**XYZ(19.7227, 30.7692,
13.2871)**

Conversions

Conversions Part 1

Format	Color
Hex	59A854
RGB	89, 168, 84
RGB Percent	35%, 66%, 33%
CMY	0.6510, 0.3412, 0.6706
CMYK	0.47, 0.00, 0.50, 0.34
HSL	116°, 33%, 49%
HSV	116°, 50%, 66%
XYZ	19.7227, 30.7692, 13.2871
YIQ	134.8030, -20.1200, -42.8720

Conversions

Conversions Part 2

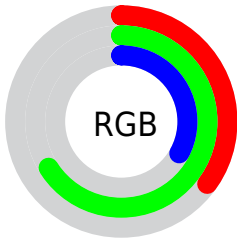
Format	Color
RYB	84, 168, 163
Decimal	5875796
CIELab	62.31, -41.54, 35.82
CIELCh	62, 54.850, 139.228
Yxy	30.7692, 0.3092, 0.4824
Android (android.graphics.Color)	4284065876 (0xFF59A854)
YUV	134.8030, -25.0459, -40.1692
Hunter-Lab	55.4700, -33.6057, 24.6269

Details

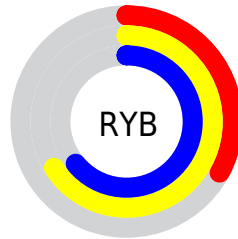
The XYZ color **19.7227, 30.7692, 13.2871** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **25.3440, 16.9554, 38.9843**, and the grayscale version is **23.0520, 24.2525, 26.4109**.

A 20% lighter version of the original color is **42.5304, 60.9899, 32.4523**, and **6.9992, 12.6741, 3.6676** is the 20% darker color. If you saturate the color by 10%, you get **17.7853, 29.8385, 10.1641**, and if you desaturate by 10%, it is **22.1449, 31.9335, 17.2579**.

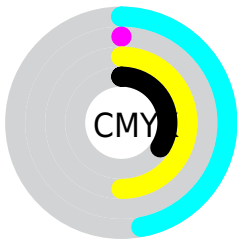
Distribution



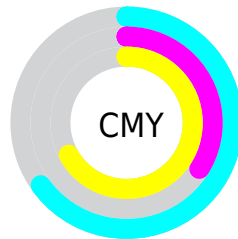
- Red (35%)
- Green (66%)
- Blue (33%)



- Red (33%)
- Yellow (66%)
- Blue (64%)



- Cyan (47%)
- Magenta (0%)
- Yellow (50%)
- Black (34%)



- Cyan (65%)
- Magenta (34%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7227, 30.7692, 13.2871 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 19.7227, 30.7692, 13.2871 by changing the saturation by 10% instead.

■ 19.7227, 30.7692,
13.2871

■ 19.7227, 30.7692,
13.2871

243.2722,
305.4736, 224.0216

■ 12.3007, 20.4232,
7.4935

■ 42.4593, 60.8765,
32.5173

■ 7.0225, 12.7030,
3.6895

■ 58.5046, 81.4066,
46.7910

■ 3.5226, 7.2244,
1.4566

■ 78.1551, 106.1001,
64.7285

■ 1.4358, 3.6028,
0.1853

■ 101.7761,
135.3415, 86.7483

■ 0.2815, 1.4540,
0.0000

■ 129.7329,
169.5152, 113.2690

■ 0.0000, 0.2560,
0.0000

162.3910,

■ 0.0000, 0.0000,

209.0055, 144.7091

0.0000

200.1156,
254.1968, 181.4871

■ 19.7227, 30.7692,
13.2871

■ 19.7227, 30.7692,
13.2871

■ 17.7853, 29.8385,
10.1641

■ 22.1449, 31.9335,
17.2579

■ 16.2979, 29.1219,
7.8254

■ 25.0792, 33.3413,
22.1299

■ 15.2248, 28.6035,
6.2020


■ 28.5534, 35.0070,
27.9542

■ 14.5237, 28.2633,
5.2121


■ 32.5927, 36.9425,
34.7778


■ 14.1284, 28.0710,
4.6736


■ 37.2208, 39.1591,
42.6445

 14.1284, 28.0710,
4.6736

 42.4600, 41.6673,
51.5955

 48.3313, 44.4772,
61.6697

 54.8550, 47.5983,
72.9042

 62.0502, 51.0399,
85.3343

Harmonies

Analogous

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



24.7968, 30.7692, 7.8475



19.7227, 30.7692, 13.2871



17.3567, 30.7692, 26.4364

Triad

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



19.7227, 30.7692, 13.2871



26.6609, 30.7692, 91.7482



44.8771, 30.7692, 21.7747

Complementary

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



19.7227, 30.7692, 13.2871



25.3440, 16.9554, 38.9843

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.



45.6050, 30.7692, 41.7271



19.7227, 30.7692, 13.2871



34.1961, 30.7692, 88.7315

Square

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



19.7227, 30.7692, 13.2871



20.8882, 30.7692, 74.9113



41.4249, 30.7692, 67.8646



39.5781, 30.7692, 11.1189

Rectangle

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



19.7227, 30.7692, 13.2871



17.3097, 30.7692, 40.4861



41.4249, 30.7692, 67.8646



45.6947, 30.7692, 27.3719

Sweetspot

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



19.7235, 30.7705, 13.2878



55.1443, 65.1196, 56.3434



30.7410, 34.9483, 13.5135



11.7030, 14.0418, 11.7470



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



19.7235, 30.7705, 13.2878



31.9363, 53.9821, 17.9082



21.0743, 31.2573, 22.8203



7.4765, 8.4283, 8.0220



10.6844, 21.2052, 3.5299



0.2725, 0.5224, 0.0865

Inverse Universe

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



25.3440, 16.9554, 38.9843



43.2916, 25.9824, 69.9585



23.4574, 16.3213, 23.6016



7.7972, 7.6436, 9.4827



16.0015, 7.6325, 28.6053



0.4021, 0.1923, 0.6966

Previews

White Background



This preview shows how the XYZ color 19.7227, 30.7692, 13.2871 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 19.7227, 30.7692, 13.2871 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 ✓ Pass

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

XYZ 19.7227, 30.7692, 13.2871

Background



This preview shows how black text looks on a background with the XYZ color 19.7227, 30.7692, 13.2871.



This preview shows how white text looks on a background with the XYZ color 19.7227, 30.7692,

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

19.7227, 30.7692, 13.2871

Protanopia

27.7985, 30.3621, 11.6031

Deuteranopia

30.9593, 30.3282, 13.8951



Tritanopia

25.6410, 30.5198, 43.0676

Trichromacy



Original Color

19.7227, 30.7692, 13.2871

Protanomaly

23.8215, 30.0115, 12.1267

Deuteranomaly

25.2024, 29.4570, 13.5900

Tritanomaly

22.8361, 30.4141, 29.0930

Monochromacy



Original Color

19.7227, 30.7692, 13.2871

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.0573, 25.9799, 20.4278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7227, 30.7692, 13.2871 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(89, 168, 84)` looks like.

```
.text, #text, p{  
    color:rgb(89, 168, 84)  
}
```

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(89, 168, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 168, 84) }
```

Border

The CSS property to change the border of an element to XYZ 19.7227, 30.7692, 13.2871 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(89, 168, 84) }
```


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

```
.border{ border-color:rgb(89, 168, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 168, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 168, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 168, 84);  
box-shadow:4px 4px 4px 4px rgb(89, 168,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7227, 30.7692, 13.2871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 168, 84) }
```

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

```
.background{ background-color: rgb(89, 168,  
84) }
```

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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