

Converting Colors

XYZ(19.6637, 29.3194, 16.4272)

Have a look what the booklet for
XYZ(19.6637, 29.3194, 16.4272)
contains.

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Color

**XYZ(19.6637, 29.3194,
16.4272)**

Conversions

Conversions Part 1

Format	Color
Hex	5BA363
RGB	91, 163, 99
RGB Percent	36%, 64%, 39%
CMY	0.6431, 0.3608, 0.6118
CMYK	0.44, 0.00, 0.39, 0.36
HSL	127°, 28%, 50%
HSV	127°, 44%, 64%
XYZ	19.6637, 29.3194, 16.4272
YIQ	134.1760, -22.3680, -35.1680

Conversions

Conversions Part 2

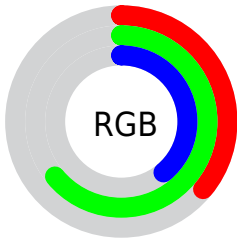
Format	Color
R_{YB}	91, 156, 163
Decimal	6005603
CIE _{Lab}	61.06, -36.45, 26.40
CIE _{LCh}	61, 45.001, 144.088
Yxy	29.3194, 0.3006, 0.4482
Android (android.graphics.Color)	4284195683 (0xFF5BA363)
YUV	134.1760, -17.3418, -37.8654
Hunter-Lab	54.1474, -29.9354, 19.9158

Details

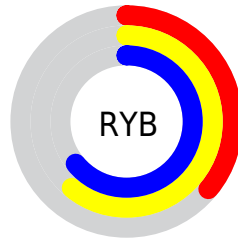
The XYZ color **19.6637, 29.3194, 16.4272** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.7626, 17.6358, 33.1102**, and the grayscale version is **22.7930, 23.9801, 26.1143**.

A 20% lighter version of the original color is **42.2535, 58.3646, 37.8927**, and **7.0449, 12.0012, 5.0771** is the 20% darker color. If you saturate the color by 10%, you get **17.5964, 28.3275, 13.0335**, and if you desaturate by 10%, it is **22.2058, 30.5434, 20.4931**.

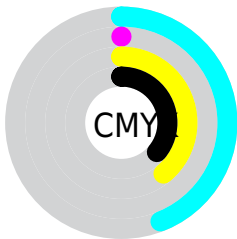
Distribution



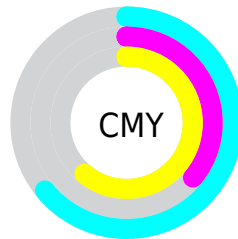
- Red (36%)
- Green (64%)
- Blue (39%)



- Red (36%)
- Yellow (61%)
- Blue (64%)



- Cyan (44%)
- Magenta (0%)
- Yellow (39%)
- Black (36%)



- Cyan (64%)
- Magenta (36%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6637, 29.3194, 16.4272 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 19.6637, 29.3194, 16.4272 by changing the saturation by 10% instead.

■ 19.6637, 29.3194,
16.4272

■ 19.6637, 29.3194,
16.4272

242.9571,
298.7190, 243.7807

■ 12.2577, 19.3226,
9.6693

■ 42.3609, 58.5842,
38.1153

■ 6.9929, 11.9036,
5.0775

■ 58.3828, 78.6209,
53.8827

■ 3.5039, 6.6781,
2.2333

■ 78.0073, 102.7731,
73.4903

■ 1.4255, 3.2616,
0.6935

■ 101.5998,
131.4250, 97.3566

■ 0.2743, 1.2698,
0.0000

129.5257,
164.9612, 125.9003

■ 0.0000, 0.1176,
0.0000

162.1503,

■ 0.0000, 0.0000,

203.7660, 159.5398

0.0000

199.8390,
248.2238, 198.6938

■ 19.6637, 29.3194,
16.4272

■ 19.6637, 29.3194,
16.4272

■ 17.5964, 28.3275,
13.0335

■ 22.2058, 30.5434,
20.4931

■ 15.9723, 27.5496,
10.2741

■ 25.2474, 32.0090,
25.2628

■ 14.7592, 26.9709,
8.1100


■ 28.8142, 33.7296,
30.7679


■ 13.9197, 26.5730,
6.4975


■ 32.9294, 35.7165,
37.0378


■ 13.4094, 26.3340,
5.3864


■ 37.6149, 37.9805,
44.1002

 13.2079, 26.2396,
4.9458

 42.8912, 40.5316,
51.9813

 48.7781, 43.3794,
60.7064

 55.2942, 46.5330,
70.2993

 62.4574, 50.0011,
80.7832

Harmonies

Analogous

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



23.4955, 29.3194, 10.5237



19.6637, 29.3194, 16.4272



18.0512, 29.3194, 28.6977

Triad

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



19.6637, 29.3194, 16.4272



26.7167, 29.3194, 76.2791



39.5387, 29.3194, 20.4308

Complementary

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



19.6637, 29.3194, 16.4272



24.7626, 17.6358, 33.1102

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.



40.7195, 29.3194, 35.3831



19.6637, 29.3194, 16.4272



32.7501, 29.3194, 71.6367

Square

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



19.6637, 29.3194, 16.4272



21.7378, 29.3194, 66.0609



38.0838, 29.3194, 54.9800



35.0525, 29.3194, 12.2001

Rectangle

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



19.6637, 29.3194, 16.4272



18.2620, 29.3194, 40.4880



38.0838, 29.3194, 54.9800



40.3595, 29.3194, 24.6615

Sweetspot

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



19.6644, 29.3206, 16.4279



52.2460, 60.7154, 56.0877



28.6583, 33.9992, 14.9497



11.4071, 13.4785, 12.0954



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.



19.6644, 29.3206, 16.4279



31.5751, 50.7602, 23.4454



21.7294, 30.1466, 27.3019



7.0161, 7.9072, 7.6965



10.2736, 20.3958, 3.8915



0.2247, 0.4321, 0.1285

Inverse Universe

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



24.7626, 17.6358, 33.1102



41.8879, 27.0912, 57.1668



22.2242, 16.6204, 19.7430



7.3303, 7.1886, 8.7256



15.7145, 7.6418, 21.4848



0.3392, 0.1642, 0.4988

Previews

White Background



This preview shows how the XYZ color 19.6637, 29.3194, 16.4272 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 19.6637, 29.3194, 16.4272 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 19.6637, 29.3194, 16.4272

Background



This preview shows how black text looks on a background with the XYZ color 19.6637, 29.3194, 16.4272.



This preview shows how white text looks on a background with the XYZ color 19.6637, 29.3194,

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

19.6637, 29.3194, 16.4272

Protanopia

26.8627, 29.1137, 14.3289

Deuteranopia

29.3323, 28.7543, 17.1009



Tritanopia

24.6403, 29.2969, 40.9154

Trichromacy



Original Color

19.6637, 29.3194, 16.4272

Protanomaly

23.4485, 28.7596, 15.1418

Deuteranomaly

24.4898, 28.0684, 16.6974

Tritanomaly

22.4762, 29.1734, 30.0376

Monochromacy



Original Color

19.6637, 29.3194, 16.4272

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.0478, 25.4828, 21.8985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6637, 29.3194, 16.4272 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(91, 163, 99)` looks like.

```
.text, #text, p{  
    color:rgb(91, 163, 99)  
}
```

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(91, 163, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 163, 99) }
```

Border

The CSS property to change the border of an element to XYZ 19.6637, 29.3194, 16.4272 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(91, 163, 99) }
```


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

```
.border{ border-color:rgb(91, 163, 99) }
```

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

Here you see how a box with a 4 pixel rgb(91, 163, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 163, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 163, 99);  
box-shadow:4px 4px 4px 4px rgb(91, 163,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6637, 29.3194, 16.4272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 163, 99) }
```

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

```
.background{ background-color: rgb(91, 163,  
99) }
```

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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