

Converting Colors

XYZ(19.3463, 17.9738, 33.4604)

Have a look what the booklet for
XYZ(19.3463, 17.9738, 33.4604)
contains.

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Color

**XYZ(19.4293, 18.0988,
33.4797)**

Conversions

Conversions Part 1

Format	Color
Hex	77719B
RGB	119, 113, 155
RGB Percent	47%, 44%, 61%
CMY	0.5333, 0.5569, 0.3922
CMYK	0.23, 0.27, 0.00, 0.39
HSL	249°, 17%, 53%
HSV	249°, 27%, 61%
XYZ	19.4293, 18.0988, 33.4797
YIQ	119.5820, -9.9060, 14.3340

Conversions

Conversions Part 2

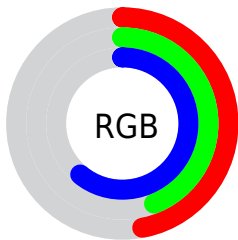
Format	Color
R_{YB}	119, 113, 155
Decimal	7827867
CIE _{Lab}	49.62, 11.71, -21.86
CIE _{LCh}	50, 24.800, 298.182
Yxy	18.0988, 0.2736, 0.2549
Android (android.graphics.Color)	4286017947 (0xFF77719B)
YUV	119.5820, 17.4611, -0.5104
Hunter-Lab	42.5427, 7.0715, -16.8794

Details

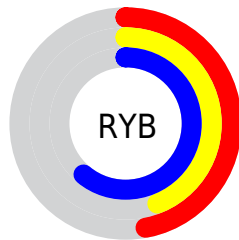
The XYZ color **19.4293, 18.0988, 33.4797** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.0969, 31.0249, 20.1839**, and the grayscale version is **17.6682, 18.5884, 20.2427**.

A 20% lighter version of the original color is **42.1012, 40.3341, 66.5390**, and **6.9148, 6.0822, 13.9062** is the 20% darker color. If you saturate the color by 10%, you get **16.1479, 14.0560, 32.8726**, and if you desaturate by 10%, it is **23.2622, 22.8652, 34.1980**.

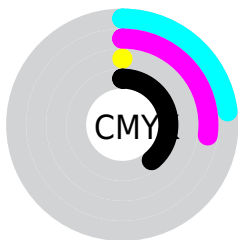
Distribution



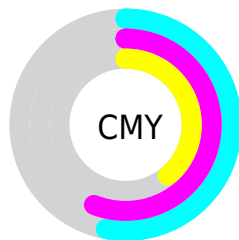
- Red (47%)
- Green (44%)
- Blue (61%)



- Red (47%)
- Yellow (44%)
- Blue (61%)



- Cyan (23%)
- Magenta (27%)
- Yellow (0%)
- Black (39%)



- Cyan (53%)
- Magenta (56%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4293, 18.0988, 33.4797 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 19.4293, 18.0988, 33.4797 by changing the saturation by 10% instead.

■ 19.4293, 18.0988,
33.4797

■ 19.4293, 18.0988,
33.4797

241.7015,
241.4273, 332.5038

■ 12.0867, 11.0209,
22.2201

■ 41.9696, 40.2056,
66.2484

■ 6.8754, 6.0809,
13.8188

■ 57.8979, 56.0033,
88.5945

■ 3.4299, 2.8944,
7.8575

■ 77.4190, 75.4765,
115.4731

■ 1.3850, 1.0768,
3.9174

■ 100.8981, 99.0095,
147.3029

■ 0.2455, 0.0000,
1.5801

128.7005,
126.9866, 184.5023

■ 0.0000, 0.0000,
0.2766

161.1916,

■ 0.0000, 0.0000,

159.7924, 227.4899

0.0000

198.7368,
197.8112, 276.6842

■ 19.4293, 18.0988,
33.4797

■ 19.4293, 18.0988,
33.4797

■ 16.1479, 14.0560,
32.8726

■ 23.2622, 22.8652,
34.1980

■ 13.3907, 10.6991,
32.3700

■ 27.6686, 28.3860,
35.0314

■ 11.1306, 7.9904,
31.9663

■ 32.6716, 34.6928,
35.9850

■ 9.3376, 5.8878,
31.6549

■ 38.2923, 41.8149,
37.0635

■ 7.9782, 4.3438,
31.4286

■ 44.5510, 49.7799,
38.2710

■ 7.0142, 3.3039,
31.2786

■ 51.4669, 58.6143,
39.6117

■ 6.3913, 2.6839,
31.1918

■ 59.0584, 68.3432,
41.0895

■ 6.2504, 2.5388,
31.1712

■ 67.3433, 78.9910,
42.7080

■ 76.3386, 90.5809,
44.4710

Harmonies

Analogous

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



17.0592, 18.0988, 35.7056



19.4293, 18.0988, 33.4797



21.3413, 18.0988, 27.3594

Triad

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



19.4293, 18.0988, 33.4797



19.7002, 18.0988, 10.6179



13.0642, 18.0988, 19.2983

Complementary

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



19.4293, 18.0988, 33.4797



27.0969, 31.0249, 20.1839

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.



13.6365, 18.0988, 13.6330



19.4293, 18.0988, 33.4797



17.3463, 18.0988, 9.3839

Square

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



19.4293, 18.0988, 33.4797



21.5074, 18.0988, 14.1976



15.1524, 18.0988, 10.3481



13.5139, 18.0988, 26.4829

Rectangle

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



19.4293, 18.0988, 33.4797



22.0228, 18.0988, 22.4816



15.1524, 18.0988, 10.3481



13.1423, 18.0988, 17.1697

Sweetspot

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



19.4299, 18.0995, 33.4801



48.6641, 49.7213, 62.5686



23.5378, 27.4994, 35.0780



10.7484, 10.9196, 14.1116



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



19.4299, 18.0995, 33.4801



30.8391, 27.5297, 59.2247



22.5701, 19.7183, 33.6271



5.9625, 6.0666, 7.7857



5.0413, 2.0499, 25.0377



0.0938, 0.0402, 0.3752

Inverse Universe

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



24.8481, 20.9495, 31.1684



42.3779, 33.6037, 54.0950



23.6649, 29.2556, 20.0232



6.4233, 6.3085, 7.6090



14.2607, 6.9585, 18.4297



0.2223, 0.1077, 0.3235

Previews

White Background



This preview shows how the XYZ color 19.4293, 18.0988, 33.4797 looks on a white 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

Black Background



This preview shows how the XYZ color 19.4293, 18.0988, 33.4797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

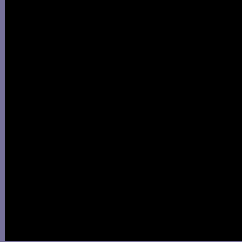
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.4293, 18.0988, 33.4797

Background



This preview shows how black text looks on a background with the XYZ color 19.4293, 18.0988, 33.4797.



This preview shows how white text looks on a background with the XYZ color 19.4293, 18.0988,

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

19.4293, 18.0988, 33.4797

Protanopia

18.3608, 18.0236, 34.8589

Deuteranopia

18.5085, 18.1389, 33.0975



Tritanopia

17.3141, 18.0928, 23.0018

Trichromacy



Original Color

19.4293, 18.0988, 33.4797

Protanomaly

18.7721, 18.0753, 34.3978

Deuteranomaly

18.7735, 18.1053, 33.0770

Tritanomaly

18.0353, 18.0388, 26.5760

Monochromacy



Original Color

19.4293, 18.0988, 33.4797

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.3407, 18.4091, 24.7770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4293, 18.0988, 33.4797 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(119, 113, 155)` looks like.

```
.text, #text, p{  
    color:rgb(119, 113, 155)  
}
```

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(119, 113, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 113, 155) }
```

Border

The CSS property to change the border of an element to XYZ 19.4293, 18.0988, 33.4797 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(119, 113, 155) }
```


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

```
.border{ border-color:rgb(119, 113, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 113, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 113, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 113, 155);  
box-shadow:4px 4px 4px 4px rgb(119, 113,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4293, 18.0988, 33.4797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 113, 155) }
```

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

```
.background{ background-color: rgb(119,  
113, 155) }
```

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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