

Converting Colors

XYZ(19.7226, 20.0091, 20.2182)

Have a look what the booklet for
XYZ(19.7226, 20.0091, 20.2182)
contains.

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Color

**XYZ(19.6829, 19.9122,
20.2588)**

Conversions

Conversions Part 1

Format	Color
Hex	847977
RGB	132, 121, 119
RGB Percent	52%, 47%, 47%
CMY	0.4823, 0.5255, 0.5333
CMYK	0.00, 0.08, 0.10, 0.48
HSL	9°, 5%, 49%
HSV	9°, 10%, 52%
XYZ	19.6829, 19.9122, 20.2588
YIQ	124.0610, 7.1980, 1.7100

Conversions

Conversions Part 2

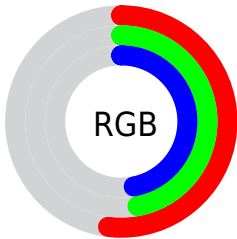
Format	Color
R_{YB}	132, 121, 119
Decimal	8681847
CIE _{Lab}	51.74, 3.84, 2.61
CIE _{LCh}	52, 4.645, 34.208
Yxy	19.9122, 0.3288, 0.3327
Android (android.graphics.Color)	4286871927 (0xFF847977)
YUV	124.0610, -2.4951, 6.9625
Hunter-Lab	44.6231, 0.6446, 4.3186

Details

The XYZ color **19.6829, 19.9122, 20.2588** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.7552, 21.5528, 24.9490**, and the grayscale version is **19.1853, 20.1845, 21.9809**.

A 20% lighter version of the original color is **42.3018, 43.1417, 44.6257**, and **7.0872, 7.0590, 6.9502** is the 20% darker color. If you saturate the color by 10%, you get **17.6653, 17.0587, 15.9430**, and if you desaturate by 10%, it is **21.9688, 23.1258, 25.2078**.

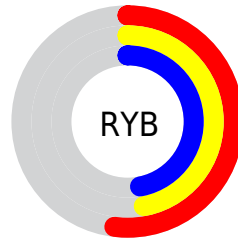
Distribution



Red (52%)

Green (47%)

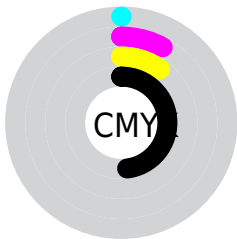
Blue (47%)



Red (52%)

Yellow (47%)

Blue (47%)

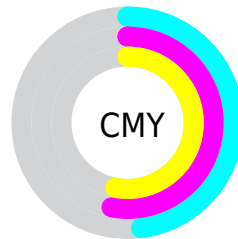


Cyan (0%)

Magenta (8%)

Yellow (10%)

Black (48%)



Cyan (48%)

Magenta (53%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6829, 19.9122, 20.2588 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 19.6829, 19.9122, 20.2588 by changing the saturation by 10% instead.

■ 19.6829, 19.9122,
20.2588

■ 19.6829, 19.9122,
20.2588

243.0597,
251.4394, 265.9632

■ 12.2717, 12.3312,
12.3974

■ 42.3929, 43.2699,
44.7153

■ 7.0025, 6.9697,
6.8891

■ 58.4224, 59.8155,
62.1475

■ 3.5100, 3.4431,
3.3154

■ 78.0554, 80.1180,
83.6070

■ 1.4289, 1.3672,
1.2579

101.6572,
104.5620, 109.5123

■ 0.2766, 0.1924,
0.0269

129.5931,
133.5317, 140.2821

■ 0.0000, 0.0000,
0.0000

162.2286,

167.4116, 176.3348

199.9290,
206.5860, 218.0889

■ 19.6829, 19.9122,
20.2588

■ 19.6829, 19.9122,
20.2588

■ 17.6653, 17.0587,
15.9430

■ 21.9688, 23.1258,
25.2078

■ 15.9046, 14.5500,
12.2336

■ 24.5308, 26.7086,
30.8129

■ 14.3908, 12.3740,
9.1038

■ 27.3783, 30.6729,
37.0972

■ 13.1128, 10.5166,
6.5241

■ 30.5196, 35.0294,
44.0825

■ 12.0585, 8.9627,
4.4626

■ 33.9631, 39.7886,
51.7896

■ 11.2147, 7.6960,
2.8841

■ 37.7164, 44.9605,
60.2384

■ 10.5670, 6.6987,
1.7489

■ 41.7870, 50.5547,
69.4479

■ 10.0987, 5.9509,
1.0108

■ 46.1824, 56.5806,
79.4366

■ 9.7760, 5.4242,
0.5375

■ 50.9094, 63.0471,
90.2223

Harmonies

Analogous

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



19.8412, 19.9122, 21.4917



19.6829, 19.9122, 20.2588



19.3217, 19.9122, 19.4340

Triad

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



19.6829, 19.9122, 20.2588



18.1242, 19.9122, 20.5747



18.9923, 19.9122, 24.3649

Complementary

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



19.6829, 19.9122, 20.2588



19.7552, 21.5528, 24.9490

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.



18.5356, 19.9122, 24.0948



19.6829, 19.9122, 20.2588



18.0392, 19.9122, 21.8714

Square

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



19.6829, 19.9122, 20.2588



18.4226, 19.9122, 19.6110



18.1887, 19.9122, 23.1683



19.4384, 19.9122, 23.8917

Rectangle

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



19.6829, 19.9122, 20.2588



19.0173, 19.9122, 19.2076



18.1887, 19.9122, 23.1683



18.8349, 19.9122, 24.3581

Sweetspot

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



19.6835, 19.9131, 20.2592



37.3495, 38.8438, 41.4731



20.1455, 19.7125, 23.8801



8.6250, 8.9444, 9.5025



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



19.6835, 19.9131, 20.2592



33.7692, 33.8028, 33.7461



20.4934, 21.5330, 20.5292



4.7263, 4.7961, 4.9060



9.4643, 5.2512, 0.5148



0.0362, 0.0250, 0.0029

Inverse Universe

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



19.7552, 21.5528, 24.9490



33.9241, 37.3434, 43.8732



18.9243, 19.8910, 24.6720



4.7422, 5.1600, 5.9468



9.6105, 12.7689, 23.0948



0.0374, 0.0524, 0.0814

Previews

White Background



This preview shows how the XYZ color 19.6829, 19.9122, 20.2588 looks on a white background.

Color Contrast Check

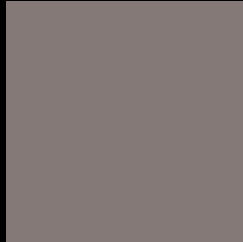
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6829, 19.9122, 20.2588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

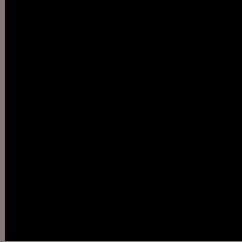
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.6829, 19.9122, 20.2588

Background



This preview shows how black text looks on a background with the XYZ color 19.6829, 19.9122, 20.2588.



This preview shows how white text looks on a background with the XYZ color 19.6829, 19.9122,

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

19.6829, 19.9122, 20.2588

Protanopia

19.0773, 19.9576, 20.6160

Deuteranopia

20.2431, 19.8439, 20.2161



Tritanopia

20.2321, 19.7652, 23.5176

Trichromacy



Original Color

19.6829, 19.9122, 20.2588

Protanomaly

19.2518, 19.8643, 20.5888

Deuteranomaly

20.0379, 19.9157, 20.2408

Tritanomaly

20.0910, 19.9002, 22.1842

Monochromacy



Original Color

19.6829, 19.9122, 20.2588

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.3482, 20.0831, 21.2690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6829, 19.9122, 20.2588 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(132, 121, 119)` looks like.

```
.text, #text, p{  
    color:rgb(132, 121, 119)  
}
```

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(132, 121, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 121, 119) }
```

Border

The CSS property to change the border of an element to XYZ 19.6829, 19.9122, 20.2588 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(132, 121, 119) }
```


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

```
.border{ border-color:rgb(132, 121, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 121, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 121, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 121, 119);  
box-shadow:4px 4px 4px 4px rgb(132, 121,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6829, 19.9122, 20.2588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 121, 119) }
```

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

```
.background{ background-color: rgb(132,  
121, 119) }
```

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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