

Converting Colors

XYZ(19.7121, 20.4629, 21.0000)

Have a look what the booklet for
XYZ(19.7121, 20.4629, 21.0000)
contains.

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Color

**XYZ(19.7121, 20.4629,
21.0000)**

Conversions

Conversions Part 1

Format	Color
Hex	817C79
RGB	129, 124, 121
RGB Percent	51%, 49%, 47%
CMY	0.4941, 0.5137, 0.5255
CMYK	0.00, 0.04, 0.06, 0.49
HSL	23°, 3%, 49%
HSV	23°, 6%, 51%
XYZ	19.7121, 20.4629, 21.0000
YIQ	125.1530, 3.9430, 0.1270

Conversions

Conversions Part 2

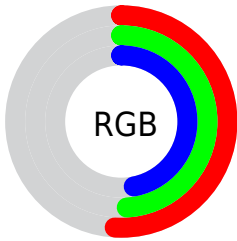
Format	Color
R_{YB}	129, 126, 121
Decimal	8486009
CIE Lab	52.36, 1.32, 2.30
CIE LCh	52, 2.655, 60.163
Yxy	20.4629, 0.3222, 0.3345
Android (android.graphics.Color)	4286676089 (0xFF817C79)
YUV	125.1530, -2.0474, 3.3738
Hunter-Lab	45.2359, -1.3794, 4.1408

Details

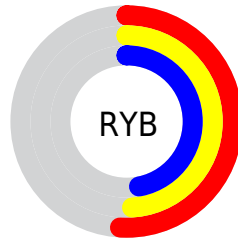
The XYZ color **19.7121, 20.4629, 21.0000** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.3085, 20.5713, 23.7221**, and the grayscale version is **19.5507, 20.5689, 22.3995**.

A 20% lighter version of the original color is **42.3596, 44.0129, 45.7979**, and **7.0269, 7.2187, 7.3263** is the 20% darker color. If you saturate the color by 10%, you get **18.0045, 18.2300, 16.7854**, and if you desaturate by 10%, it is **21.6092, 22.9050, 25.8003**.

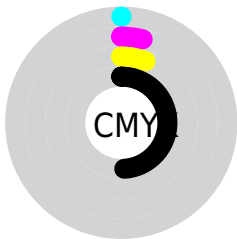
Distribution



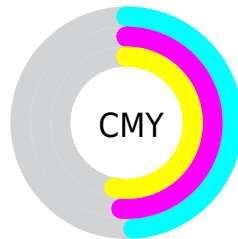
- Red (51%)
- Green (49%)
- Blue (47%)



- Red (51%)
- Yellow (49%)
- Blue (47%)



- Cyan (0%)
- Magenta (4%)
- Yellow (6%)
- Black (49%)



- Cyan (49%)
- Magenta (51%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7121, 20.4629, 21.0000 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 19.7121, 20.4629, 21.0000 by changing the saturation by 10% instead.

■ 19.7121, 20.4629,
21.0000

■ 19.7121, 20.4629,
21.0000

243.2156,
254.4102, 270.0595

■ 12.2930, 12.7320,
12.9328

■ 42.4416, 44.1919,
45.9683

■ 7.0172, 7.2442,
7.2521

■ 58.4827, 60.9588,
63.7065

■ 3.5193, 3.6153,
3.5394

■ 78.1285, 81.5065,
85.5054

■ 1.4339, 1.4608,
1.3762

101.7444,
106.2193, 111.7835

■ 0.2802, 0.2609,
0.1231

129.6957,
135.4817, 142.9595

■ 0.0000, 0.0000,
0.0000

162.3478,

169.6780, 179.4518

200.0660,
209.1927, 221.6789

■ 19.7121, 20.4629,
21.0000

■ 19.7121, 20.4629,
21.0000

■ 18.0045, 18.2300,
16.7854

■ 21.6092, 22.9050,
25.8003

■ 16.4786, 16.1981,
13.1324

■ 23.7000, 25.5590,
31.2063

■ 15.1284, 14.3621,
10.0176

■ 25.9905, 28.4310,
37.2387

■ 13.9471, 12.7160,
7.4150

■ 28.4862, 31.5260,
43.9169

■ 12.9273, 11.2532,
5.2967

■ 31.1921, 34.8486,
51.2594

■ 12.0609, 9.9669,
3.6318

■ 34.1132, 38.4038,
59.2839

■ 11.3393, 8.8495,
2.3862

■ 37.2542, 42.1958,
68.0075

■ 10.7524, 7.8932,
1.5206

■ 40.6199, 46.2292,
77.4467

■ 10.2848, 7.0872,
0.9666

■ 44.2146, 50.5081,
87.6173

Harmonies

Analogous

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



19.9074, 20.4629, 21.5327



19.7121, 20.4629, 21.0000



19.4479, 20.4629, 20.8087

Triad

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



19.7121, 20.4629, 21.0000



18.9284, 20.4629, 22.2849



19.7147, 20.4629, 23.6078

Complementary

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



19.7121, 20.4629, 21.0000



19.3085, 20.5713, 23.7221

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.



19.4509, 20.4629, 23.8203



19.7121, 20.4629, 21.0000



18.9984, 20.4629, 23.0457

Square

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



19.7121, 20.4629, 21.0000



18.9969, 20.4629, 21.5399



19.1890, 20.4629, 23.6123



19.9090, 20.4629, 23.0381

Rectangle

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



19.7121, 20.4629, 21.0000



19.2687, 20.4629, 20.8970



19.1890, 20.4629, 23.6123



19.6311, 20.4629, 23.7240

Sweetspot

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



19.7127, 20.4638, 21.0004



36.6700, 38.4162, 41.0482



19.6611, 19.8503, 22.5567



8.3112, 8.7097, 9.3192



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



19.7127, 20.4638, 21.0004



34.9916, 36.2446, 36.8350



20.2152, 21.4688, 21.1679



4.5241, 4.6849, 4.7561



9.8779, 6.6521, 0.7634



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.3085, 20.5713, 23.7221



34.1606, 36.4657, 42.4306



18.8156, 19.5857, 23.5578



4.4150, 4.7139, 5.4905



6.7066, 7.2317, 21.2923



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 19.7121, 20.4629, 21.0000 looks on a white background.

Color Contrast Check

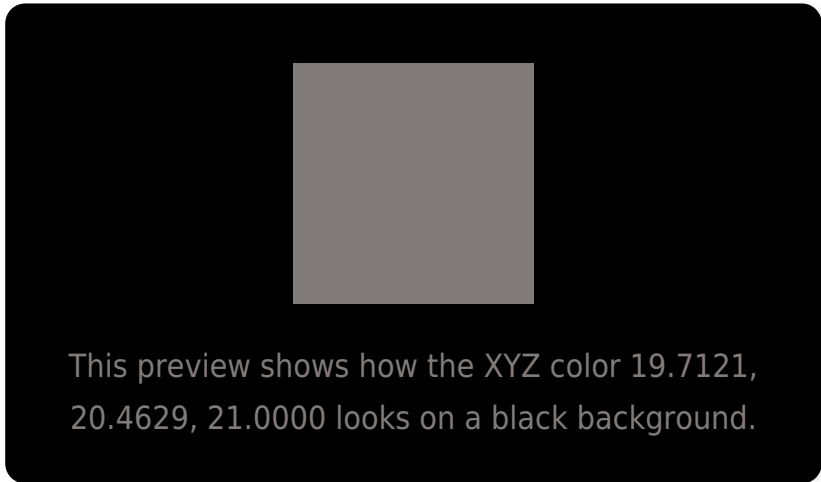
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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

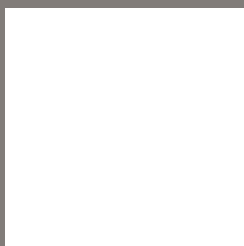
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7121, 20.4629, 21.0000

Background



This preview shows how black text looks on a background with the XYZ color 19.7121, 20.4629, 21.0000.



This preview shows how white text looks on a background with the XYZ color 19.7121, 20.4629,

21.0000.

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

19.7121, 20.4629, 21.0000

Protanopia

19.5609, 20.3850, 20.9929

Deuteranopia

20.8315, 20.4832, 21.2681



Tritanopia

20.4845, 20.4103, 24.6897

Trichromacy



Original Color

19.7121, 20.4629, 21.0000

Protanomaly

19.5609, 20.3850, 20.9929

Deuteranomaly

20.4641, 20.4751, 21.2859

Tritanomaly

20.1852, 20.4703, 23.3094

Monochromacy



Original Color

19.7121, 20.4629, 21.0000

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.5759, 20.5581, 22.0051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7121, 20.4629, 21.0000 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(129, 124, 121)` looks like.

```
.text, #text, p{  
    color:rgb(129, 124, 121)  
}
```

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(129, 124, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 124, 121) }
```

Border

The CSS property to change the border of an element to XYZ 19.7121, 20.4629, 21.0000 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(129, 124, 121) }
```


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

```
.border{ border-color:rgb(129, 124, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 124, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 124, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 124, 121);  
box-shadow:4px 4px 4px 4px rgb(129, 124,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7121, 20.4629, 21.0000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 124, 121) }
```

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

```
.background{ background-color: rgb(129,  
124, 121) }
```

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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