

Converting Colors

XYZ(18.8208, 19.9953, 21.3456)

Have a look what the booklet for
XYZ(18.8208, 19.9953, 21.3456)
contains.

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Color

**XYZ(18.7465, 19.9580,
21.2766)**

Conversions

Conversions Part 1

Format	Color
Hex	7A7C7A
RGB	122, 124, 122
RGB Percent	48%, 49%, 48%
CMY	0.5216, 0.5137, 0.5216
CMYK	0.02, 0.00, 0.02, 0.51
HSL	120°, 1%, 48%
HSV	120°, 2%, 49%
XYZ	18.7465, 19.9580, 21.2766
YIQ	123.1740, -0.5500, -1.0460

Conversions

Conversions Part 2

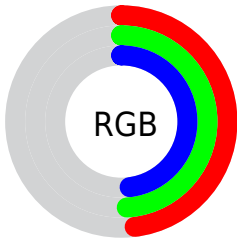
Format	Color
R_{YB}	122, 124, 124
Decimal	8027258
CIE Lab	51.79, -1.15, 0.82
CIE LCh	52, 1.412, 144.490
Yxy	19.9580, 0.3125, 0.3327
Android (android.graphics.Color)	4286217338 (0xFF7A7C7A)
YUV	123.1740, -0.5788, -1.0296
Hunter-Lab	44.6744, -3.2770, 3.0346

Details

The XYZ color **18.7465, 19.9580, 21.2766** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.9105, 19.6598, 21.8677**, and the grayscale version is **18.8866, 19.8702, 21.6386**.

A 20% lighter version of the original color is **40.6209, 43.1053, 46.2236**, and **6.4663, 6.9297, 7.3001** is the 20% darker color. If you saturate the color by 10%, you get **16.3817, 18.8227, 17.4086**, and if you desaturate by 10%, it is **21.4345, 21.2498, 25.6721**.

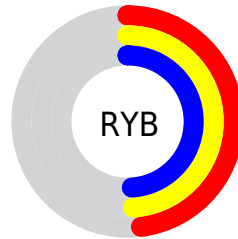
Distribution



Red (48%)

Green (49%)

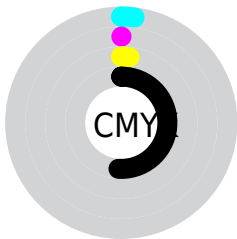
Blue (48%)



Red (48%)

Yellow (49%)

Blue (49%)

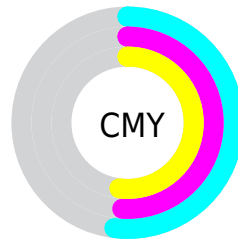


Cyan (2%)

Magenta (0%)

Yellow (2%)

Black (51%)



Cyan (52%)

Magenta (51%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7465, 19.9580, 21.2766 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 18.7465, 19.9580, 21.2766 by changing the saturation by 10% instead.

■ 18.7465, 19.9580,
21.2766

■ 18.7465, 19.9580,
21.2766

238.0108,
251.6877, 271.5740

■ 11.5902, 12.3645,
13.1331

■ 40.8255, 43.3468,
46.4342

■ 6.5355, 6.9924,
7.3885

■ 56.4789, 59.9108,
64.2854

■ 3.2171, 3.4574,
3.6241

■ 75.6953, 80.2339,
86.2095

■ 1.2696, 1.3749,
1.4215

98.8401, 104.7003,
112.6252

■ 0.1603, 0.1981,
0.1584

126.2788,
133.6945, 143.9510

■ 0.0000, 0.0000,
0.0000

158.3765,

167.6009, 180.6053

195.4987,
206.8038, 223.0068

■ 18.7465, 19.9580,
21.2766

■ 18.7465, 19.9580,
21.2766

■ 16.3817, 18.8227,
17.4086

■ 21.4345, 21.2498,
25.6721

■ 14.3264, 17.8354,
14.0472

■ 24.4555, 22.7009,
30.6127

■ 12.5683, 16.9908,
11.1716

■ 27.8209, 24.3175,
36.1164

■ 11.0935, 16.2825,
8.7596

■ 31.5412, 26.1046,
42.2003

■ 9.8874, 15.7031,
6.7867

■ 35.6262, 28.0669,
48.8808

■ 8.9337, 15.2450,
5.2267

■ 40.0856, 30.2090,
56.1733

■ 8.2146, 14.8995,
4.0501

■ 44.9285, 32.5353,
64.0930

■ 7.7096, 14.6570,
3.2240

■ 50.1639, 35.0502,
72.6544

■ 7.3953, 14.5060,
2.7096

■ 55.8004, 37.7577,
81.8716

Harmonies

Analogous

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



18.8557, 19.9580, 21.0220



18.7465, 19.9580, 21.2766



18.6971, 19.9580, 21.6553

Triad

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



18.7465, 19.9580, 21.2766



18.9431, 19.9580, 22.5243



19.2208, 19.9580, 21.4060

Complementary

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



18.7465, 19.9580, 21.2766



18.9105, 19.6598, 21.8677

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.



19.2445, 19.9580, 21.8066



18.7465, 19.9580, 21.2766



19.0837, 19.9580, 22.4555

Square

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



18.7465, 19.9580, 21.2766



18.8102, 19.9580, 22.3783



19.1942, 19.9580, 22.1916



19.1297, 19.9580, 21.0960

Rectangle

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



18.7465, 19.9580, 21.2766



18.7045, 19.9580, 21.9285



19.1942, 19.9580, 22.1916



19.2370, 19.9580, 21.5344

Sweetspot

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



18.7471, 19.9589, 21.2770



33.7135, 35.4692, 38.6260



19.0336, 20.1066, 21.2903



7.9400, 8.3535, 9.0970



60.6688, 63.8283, 69.5090

Same Dimension

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



18.7471, 19.9589, 21.2770



32.7971, 35.0290, 37.1273



18.8094, 19.9838, 21.6054



4.3565, 4.6448, 4.9386



7.3274, 14.6546, 2.4433



34.9522, 69.9039, 11.6523

Inverse Universe

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



18.9105, 19.6598, 21.8677



33.1607, 34.3637, 38.4414



18.8475, 19.6346, 21.5360



4.3991, 4.5667, 5.0927



12.1468, 5.8349, 19.8618



57.9410, 27.8328, 94.7403

Previews

White Background



This preview shows how the XYZ color 18.7465, 19.9580, 21.2766 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 18.7465, 19.9580, 21.2766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

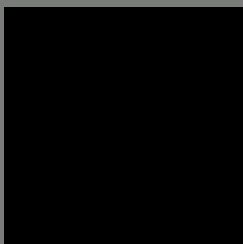
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

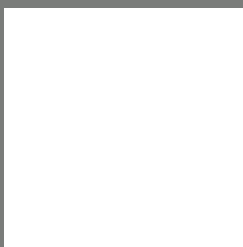
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7465, 19.9580, 21.2766

Background



This preview shows how black text looks on a background with the XYZ color 18.7465, 19.9580, 21.2766.



This preview shows how white text looks on a background with the XYZ color 18.7465, 19.9580,

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

18.7465, 19.9580, 21.2766

Protanopia

19.1383, 19.9820, 20.9374

Deuteranopia

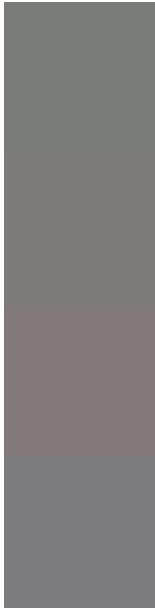
20.1637, 19.7746, 21.4930



Tritanopia

19.4366, 19.8701, 24.6407

Trichromacy



Original Color

18.7465, 19.9580, 21.2766

Protanomaly

18.9916, 19.9064, 20.9305

Deuteranomaly

19.6184, 19.8506, 21.5364

Tritanomaly

19.1476, 19.9354, 23.2608

Monochromacy



Original Color

18.7465, 19.9580, 21.2766

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.8265, 19.8069, 21.5697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7465, 19.9580, 21.2766 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(122, 124, 122)` looks like.

```
.text, #text, p{  
    color:rgb(122, 124, 122)  
}
```

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(122, 124, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 124, 122) }
```

Border

The CSS property to change the border of an element to XYZ 18.7465, 19.9580, 21.2766 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(122, 124, 122) }
```

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

```
.border{ border-color:rgb(122, 124, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 124, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 124, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 124, 122);  
box-shadow:4px 4px 4px 4px rgb(122, 124,  
122) }
```


Background

The CSS property to change the background color of an element to XYZ 18.7465, 19.9580, 21.2766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 124, 122) }
```

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

```
.background{ background-color: rgb(122,  
124, 122) }
```

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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