

Converting Colors

XYZ(19.7555, 21.1926, 23.4723)

Have a look what the booklet for
XYZ(19.7555, 21.1926, 23.4723)
contains.

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Color

**XYZ(19.7838, 21.2078,
23.4729)**

Conversions

Conversions Part 1

Format	Color
Hex	7B8080
RGB	123, 128, 128
RGB Percent	48%, 50%, 50%
CMY	0.5176, 0.4980, 0.4980
CMYK	0.04, 0.00, 0.00, 0.50
HSL	180°, 2%, 49%
HSV	180°, 4%, 50%
XYZ	19.7838, 21.2078, 23.4729
YIQ	126.5050, -2.9800, -1.0600

Conversions

Conversions Part 2

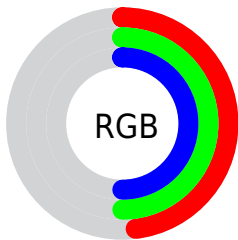
Format	Color
R_{YB}	123, 126, 128
Decimal	8093824
CIE Lab	53.18, -1.85, -0.65
CIE LCh	53, 1.965, 199.400
Yxy	21.2078, 0.3069, 0.3290
Android (android.graphics.Color)	4286283904 (0xFF7B8080)
YUV	126.5050, 0.7370, -3.0739
Hunter-Lab	46.0519, -3.9077, 2.0159

Details

The XYZ color **19.7838, 21.2078, 23.4729** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.5609, 20.1857, 21.6051**, and the grayscale version is **20.0020, 21.0437, 22.9166**.

A 20% lighter version of the original color is **42.5436, 45.4979, 50.2557**, and **7.0313, 7.6123, 8.4959** is the 20% darker color. If you saturate the color by 10%, you get **18.0709, 20.3254, 23.3913**, and if you desaturate by 10%, it is **21.7373, 22.2154, 23.5666**.

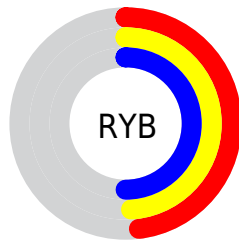
Distribution



Red (48%)

Green (50%)

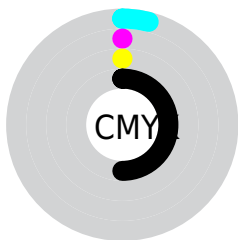
Blue (50%)



Red (48%)

Yellow (49%)

Blue (50%)

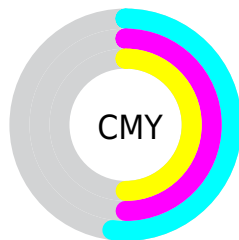


Cyan (4%)

Magenta (0%)

Yellow (0%)

Black (50%)



Cyan (52%)

Magenta (50%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7838, 21.2078, 23.4729 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 19.7838, 21.2078, 23.4729 by changing the saturation by 10% instead.

■ 19.7838, 21.2078,
23.4729

■ 19.7838, 21.2078,
23.4729

243.5982,
258.3808, 283.3449

■ 12.3453, 13.2760,
14.7345

■ 42.5611, 45.4331,
50.1017

■ 7.0532, 7.6189,
8.4887

■ 58.6307, 62.4954,
68.8291

■ 3.5420, 3.8521,
4.3170

■ 78.3080, 83.3700,
91.7234

■ 1.4465, 1.5911,
1.8008

101.9584,
108.4412, 119.2029

■ 0.2890, 0.3516,
0.4285

129.9473,
138.0935, 151.6863

■ 0.0000, 0.0000,
0.0000

162.6400,

172.7113, 189.5920

200.4018,
212.6789, 233.3387

■ 19.7838, 21.2078,
23.4729

■ 19.7838, 21.2078,
23.4729

■ 18.0709, 20.3254,
23.3913

■ 21.7373, 22.2154,
23.5666

■ 16.5877, 19.5608,
23.3200

■ 23.9384, 23.3501,
23.6715

■ 15.3249, 18.9099,
23.2591

■ 26.3960, 24.6170,
23.7884

■ 14.2721, 18.3672,
23.2080

■ 29.1179, 26.0202,
23.9176

■ 13.4177, 17.9268,
23.1661

■ 32.1118, 27.5635,
24.0596

■ 12.7495, 17.5823,
23.1330

■ 35.3848, 29.2507,
24.2146

■ 12.2535, 17.3267,
23.1079

■ 38.9439, 31.0855,
24.3830

■ 11.9139, 17.1516,
23.0902

■ 42.7960, 33.0713,
24.5652

■ 11.7103, 17.0467,
23.0788

■ 46.9474, 35.2114,
24.7613

Harmonies

Analogous

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



19.7682, 21.2078, 22.8824



19.7838, 21.2078, 23.4729



19.8991, 21.2078, 23.9692

Triad

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



19.7838, 21.2078, 23.4729



20.4615, 21.2078, 23.8425



20.2308, 21.2078, 21.9879

Complementary

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



19.7838, 21.2078, 23.4729



19.5609, 20.1857, 21.6051

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.



20.4178, 21.2078, 22.2359



19.7838, 21.2078, 23.4729



20.5517, 21.2078, 23.3023

Square

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



19.7838, 21.2078, 23.4729



20.2900, 21.2078, 24.1851



20.5356, 21.2078, 22.7146



20.0253, 21.2078, 22.0318

Rectangle

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



19.7838, 21.2078, 23.4729



20.0175, 21.2078, 24.1767



20.5356, 21.2078, 22.7146



20.2979, 21.2078, 22.0397

Sweetspot

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



19.7844, 21.2087, 23.4734



35.7797, 37.8280, 41.3717



19.4752, 21.0864, 21.7827



8.3826, 8.8595, 9.6865



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.



19.7844, 21.2087, 23.4734



34.4456, 37.1402, 41.3079



19.4729, 20.5855, 23.3702



4.5965, 4.9643, 5.5290



11.5140, 16.8522, 22.8774



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.5609, 20.1857, 21.6051



33.9346, 34.8010, 37.0360



19.8645, 20.7929, 21.7056



4.5237, 4.6310, 4.9202



8.8274, 4.5506, 0.4147



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 19.7838, 21.2078, 23.4729 looks on a white background.

Color Contrast Check

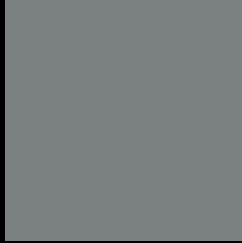
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7838, 21.2078, 23.4729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

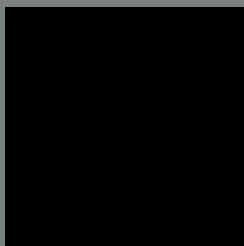
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

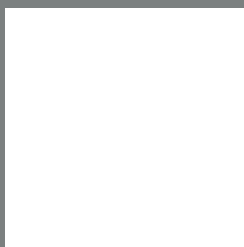
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7838, 21.2078, 23.4729

Background



This preview shows how black text looks on a background with the XYZ color 19.7838, 21.2078, 23.4729.



This preview shows how white text looks on a background with the XYZ color 19.7838, 21.2078,

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

19.7838, 21.2078, 23.4729

Protanopia

20.3449, 21.1211, 23.0832

Deuteranopia

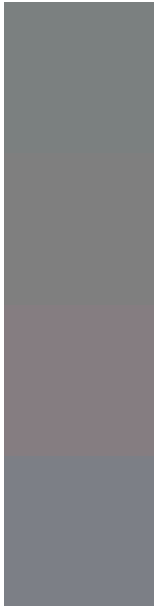
21.5266, 21.1542, 23.7175



Tritanopia

20.4169, 21.2700, 26.6963

Trichromacy



Original Color

19.7838, 21.2078, 23.4729

Protanomaly

20.1725, 21.2231, 23.1119

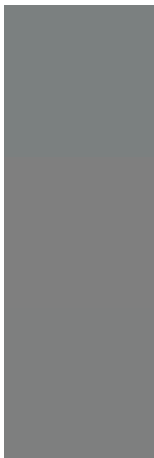
Deuteranomaly

20.9689, 21.2388, 23.7632

Tritanomaly

20.2046, 21.1851, 25.5785

Monochromacy



Original Color

19.7838, 21.2078, 23.4729

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.0243, 21.1467, 23.1050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7838, 21.2078, 23.4729 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(123, 128, 128)` looks like.

```
.text, #text, p{  
    color:rgb(123, 128, 128)  
}
```

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(123, 128, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 128, 128) }
```

Border

The CSS property to change the border of an element to XYZ 19.7838, 21.2078, 23.4729 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(123, 128, 128) }
```


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

```
.border{ border-color:rgb(123, 128, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 128, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 128, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 128, 128); box-shadow:4px 4px 4px 4px rgb(123, 128, 128) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7838, 21.2078, 23.4729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 128, 128) }
```

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

```
.background{ background-color: rgb(123,  
128, 128) }
```

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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