

Converting Colors

XYZ(19.7606, 19.1344, 22.7044)

Have a look what the booklet for
XYZ(19.7606, 19.1344, 22.7044)
contains.

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Color

**XYZ(19.8649, 19.2414,
22.7456)**

Conversions

Conversions Part 1

Format	Color
Hex	85757F
RGB	133, 117, 127
RGB Percent	52%, 46%, 50%
CMY	0.4784, 0.5412, 0.5020
CMYK	0.00, 0.12, 0.05, 0.48
HSL	323°, 6%, 49%
HSV	323°, 12%, 52%
XYZ	19.8649, 19.2414, 22.7456
YIQ	122.9240, 6.3260, 6.5020

Conversions

Conversions Part 2

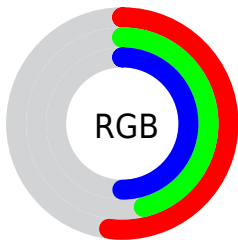
Format	Color
R_{YB}	133, 117, 127
Decimal	8746367
CIE Lab	50.97, 8.07, -3.21
CIE LCh	51, 8.681, 338.316
Yxy	19.2414, 0.3212, 0.3111
Android (android.graphics.Color)	4286936447 (0xFF85757F)
YUV	122.9240, 2.0095, 8.8367
Hunter-Lab	43.8650, 4.0725, -0.0385

Details

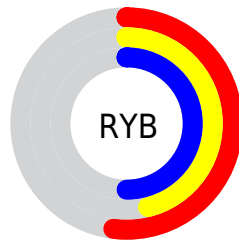
The XYZ color **19.8649, 19.2414, 22.7456** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.2995, 21.9875, 21.9668**, and the grayscale version is **18.7942, 19.7730, 21.5328**.

A 20% lighter version of the original color is **42.6759, 42.1103, 49.0589**, and **7.0705, 6.6453, 8.1177** is the 20% darker color. If you saturate the color by 10%, you get **18.1071, 16.2330, 20.5953**, and if you desaturate by 10%, it is **21.8601, 22.6983, 25.0549**.

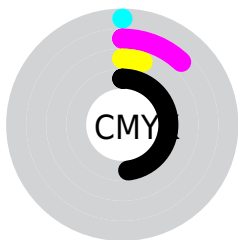
Distribution



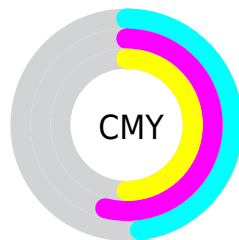
- Red (52%)
- Green (46%)
- Blue (50%)



- Red (52%)
- Yellow (46%)
- Blue (50%)



- Cyan (0%)
- Magenta (12%)
- Yellow (5%)
- Black (48%)



- Cyan (48%)
- Magenta (54%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8649, 19.2414, 22.7456 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 19.8649, 19.2414, 22.7456 by changing the saturation by 10% instead.

■ 19.8649, 19.2414,
22.7456

■ 19.8649, 19.2414,
22.7456

244.0303,
247.7782, 279.4951

■ 12.4046, 11.8448,
14.2022

■ 42.6962, 42.1416,
48.8932

■ 7.0940, 6.6381,
8.1211

■ 58.7980, 58.4141,
67.3344

■ 3.5678, 3.2368,
4.0837

■ 78.5108, 78.4139,
89.9121

■ 1.4607, 1.2566,
1.6714

102.2003,
102.5256, 117.0447

■ 0.2988, 0.1072,
0.3410

130.2316,
131.1334, 149.1507

■ 0.0000, 0.0000,
0.0000

162.9701,

164.6219, 186.6488

200.7812,
203.3754, 229.9574

■ 19.8649, 19.2414,
22.7456

■ 19.8649, 19.2414,
22.7456

■ 18.1071, 16.2330,
20.5953

■ 21.8601, 22.6983,
25.0549

■ 16.5755, 13.6520,
18.5985

■ 24.1000, 26.6186,
27.5261

■ 15.2607, 11.4794,
16.7511

■ 26.5935, 31.0198,
30.1635

■ 14.1516, 9.6937,
15.0482

■ 29.3487, 35.9175,
32.9708

■ 13.2364, 8.2715,
13.4847

■ 32.3733, 41.3268,
35.9516

■ 12.5019, 7.1868,
12.0548

■ 35.6746, 47.2619,
39.1095

■ 11.9330, 6.4100,
10.7524

■ 39.2596, 53.7368,
42.4477

■ 11.5123, 5.9066,
9.5703

■ 43.1352, 60.7646,
45.9696

■ 11.2389, 5.6130,
8.6985

■ 47.3079, 68.3582,
49.6783

Harmonies

Analogous

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



19.3306, 19.2414, 24.8813



19.8649, 19.2414, 22.7456



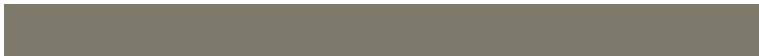
19.9701, 19.2414, 20.2745

Triad

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



19.8649, 19.2414, 22.7456



18.0508, 19.2414, 16.6140



17.0241, 19.2414, 24.0192

Complementary

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



19.8649, 19.2414, 22.7456



19.2995, 21.9875, 21.9668

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.



16.7038, 19.2414, 21.6416



19.8649, 19.2414, 22.7456



17.2843, 19.2414, 17.4573

Square

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



19.8649, 19.2414, 22.7456



18.9048, 19.2414, 16.8591



16.7975, 19.2414, 19.2526



17.6855, 19.2414, 25.6557

Rectangle

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



19.8649, 19.2414, 22.7456



19.7798, 19.2414, 18.7881



16.7975, 19.2414, 19.2526



16.8739, 19.2414, 23.2730

Sweetspot

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



19.8655, 19.2422, 22.7460



38.3744, 39.3039, 43.9914



18.7450, 18.6181, 24.7963



8.5901, 8.7587, 9.8476



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.



19.8655, 19.2422, 22.7460



34.8168, 33.1551, 39.8263



19.3726, 19.0451, 20.1507



4.7858, 4.7340, 5.4842



10.7091, 5.3480, 8.3063



0.0407, 0.0199, 0.0475

Inverse Universe

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



19.8655, 19.2422, 22.7460



34.8168, 33.1551, 39.8263



19.8119, 22.1925, 24.6651



4.7858, 4.7340, 5.4842



10.7091, 5.3480, 8.3063



0.0407, 0.0199, 0.0475

Previews

White Background



This preview shows how the XYZ color 19.8649, 19.2414, 22.7456 looks on a white background.

Color Contrast Check

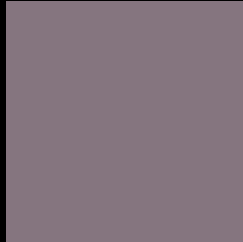
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8649, 19.2414, 22.7456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

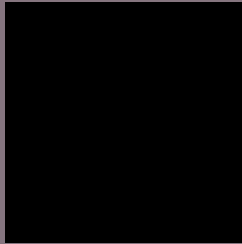
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.8649, 19.2414, 22.7456

Background



This preview shows how black text looks on a background with the XYZ color 19.8649, 19.2414, 22.7456.

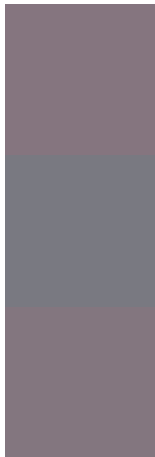


This preview shows how white text looks on a background with the XYZ color 19.8649, 19.2414,

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

19.8649, 19.2414, 22.7456

Protanopia

18.6850, 19.3247, 23.5141

Deuteranopia

19.6693, 19.3145, 22.7701



Tritanopia

19.8001, 19.2155, 22.4040

Trichromacy



Original Color

19.8649, 19.2414, 22.7456

Protanomaly

19.0702, 19.3514, 23.1522

Deuteranomaly

19.8249, 19.3947, 22.7773

Tritanomaly

19.8001, 19.2155, 22.4040

Monochromacy



Original Color

19.8649, 19.2414, 22.7456

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.2279, 19.6420, 21.8467

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8649, 19.2414, 22.7456 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(133, 117, 127)` looks like.

```
.text, #text, p{  
    color:rgb(133, 117, 127)  
}
```

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(133, 117, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 117, 127) }
```

Border

The CSS property to change the border of an element to XYZ 19.8649, 19.2414, 22.7456 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(133, 117, 127) }
```


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

```
.border{ border-color:rgb(133, 117, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 117, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 117, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 117, 127);  
box-shadow:4px 4px 4px 4px rgb(133, 117,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8649, 19.2414, 22.7456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 117, 127) }
```

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

```
.background{ background-color: rgb(133,  
117, 127) }
```

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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