

Converting Colors

XYZ(19.5618, 22.4534, 20.6189)

Have a look what the booklet for
XYZ(19.5618, 22.4534, 20.6189)
contains.

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Color

**XYZ(19.4626, 22.3040,
20.7321)**

Conversions

Conversions Part 1

Format	Color
Hex	778677
RGB	119, 134, 119
RGB Percent	47%, 53%, 47%
CMY	0.5333, 0.4745, 0.5333
CMYK	0.11, 0.00, 0.11, 0.47
HSL	120°, 6%, 50%
HSV	120°, 11%, 53%
XYZ	19.4626, 22.3040, 20.7321
YIQ	127.8050, -4.1250, -7.8450

Conversions

Conversions Part 2

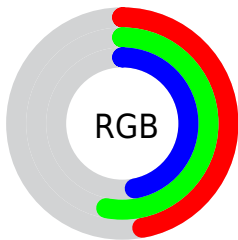
Format	Color
R_{YB}	119, 134, 134
Decimal	7833207
CIE _{Lab}	54.35, -8.52, 6.23
CIE _{LCh}	54, 10.552, 143.817
Yxy	22.3040, 0.3114, 0.3569
Android (android.graphics.Color)	4286023287 (0xFF778677)
YUV	127.8050, -4.3409, -7.7220
Hunter-Lab	47.2271, -9.0864, 7.0314

Details

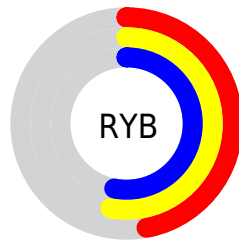
The XYZ color **19.4626, 22.3040, 20.7321** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.7322, 19.9837, 25.3198**, and the grayscale version is **20.4663, 21.5322, 23.4485**.

A 20% lighter version of the original color is **41.9156, 47.1388, 45.4176**, and **6.9062, 8.1352, 7.1675** is the 20% darker color. If you saturate the color by 10%, you get **17.0028, 21.1231, 16.7082**, and if you desaturate by 10%, it is **22.2965, 23.6659, 25.3668**.

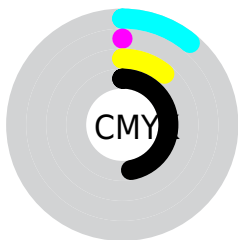
Distribution



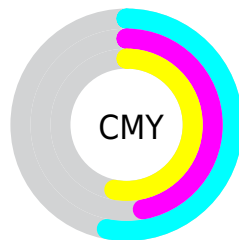
- Red (47%)
- Green (53%)
- Blue (47%)



- Red (47%)
- Yellow (53%)
- Blue (53%)



- Cyan (11%)
- Magenta (0%)
- Yellow (11%)
- Black (47%)



- Cyan (53%)
- Magenta (47%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4626, 22.3040, 20.7321 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 19.4626, 22.3040, 20.7321 by changing the saturation by 10% instead.

■ 19.4626, 22.3040,
20.7321

■ 19.4626, 22.3040,
20.7321

241.8802,
264.1297, 268.5854

■ 12.1110, 14.0804,
12.7390

■ 42.0252, 47.2479,
45.5162

■ 6.8921, 8.1766,
7.1204

■ 57.9669, 64.7371,
63.1443

■ 3.4404, 4.2082,
3.4580

■ 77.5027, 86.0836,
84.8212

■ 1.3907, 1.7907,
1.3330

100.9979,
111.6718, 110.9653

■ 0.2496, 0.4814,
0.0886

128.8179,
141.8861, 141.9952

■ 0.0000, 0.0000,
0.0000

161.3280,

177.1110, 178.3296

198.8937,
217.7307, 220.3868

■ 19.4626, 22.3040,
20.7321

■ 19.4626, 22.3040,
20.7321

■ 17.0028, 21.1231,
16.7082

■ 22.2965, 23.6659,
25.3668

■ 14.8997, 20.1129,
13.2683

■ 25.5171, 25.2130,
30.6348

■ 13.1374, 19.2663,
10.3856

■ 29.1391, 26.9528,
36.5591

■ 11.6978, 18.5748,
8.0309

■ 33.1755, 28.8917,
43.1612

■ 10.5615, 18.0290,
6.1722

■ 37.6388, 31.0356,
50.4617

■ 9.7067, 17.6184,
4.7741

■ 42.5411, 33.3905,
58.4802

■ 9.1090, 17.3313,
3.7963

■ 47.8939, 35.9617,
67.2355

■ 8.7395, 17.1538,
3.1919

■ 53.7084, 38.7547,
76.7459

■ 8.5255, 17.0510,
2.8419

■ 59.9952, 41.7745,
87.0289

Harmonies

Analogous

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



20.3180, 22.3040, 18.9358



19.4626, 22.3040, 20.7321



19.0742, 22.3040, 23.6090

Triad

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



19.4626, 22.3040, 20.7321



20.9618, 22.3040, 31.1478



23.2892, 22.3040, 21.8145

Complementary

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



19.4626, 22.3040, 20.7321



20.7322, 19.9837, 25.3198

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.



23.4767, 22.3040, 24.9744



19.4626, 22.3040, 20.7321



22.1056, 22.3040, 30.5578

Square

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



19.4626, 22.3040, 20.7321



19.9193, 22.3040, 29.7690



23.0363, 22.3040, 28.2228



22.5329, 22.3040, 19.5200

Rectangle

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



19.4626, 22.3040, 20.7321



19.1219, 22.3040, 25.8307



23.0363, 22.3040, 28.2228



23.4219, 22.3040, 22.8027

Sweetspot

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



19.4632, 22.3050, 20.7326



38.2974, 41.2219, 43.0808



21.6873, 23.4515, 20.8366



8.5421, 9.2456, 9.5650



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.



19.4632, 22.3050, 20.7326



33.3310, 38.8363, 34.9574



19.9317, 22.4924, 23.1998



4.6163, 5.2048, 4.9907



7.9893, 15.9786, 2.6632



0.0277, 0.0554, 0.0092

Inverse Universe

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



20.7322, 19.9837, 25.3198



35.9475, 34.0501, 44.4158



20.2273, 19.7818, 22.6611



4.8579, 4.7628, 5.8640



13.2460, 6.3628, 21.6656



0.0459, 0.0220, 0.0751

Previews

White Background



This preview shows how the XYZ color 19.4626, 22.3040, 20.7321 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 19.4626, 22.3040, 20.7321 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 19.4626, 22.3040, 20.7321

Background



This preview shows how black text looks on a background with the XYZ color 19.4626, 22.3040, 20.7321.



This preview shows how white text looks on a background with the XYZ color 19.4626, 22.3040,

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

19.4626, 22.3040, 20.7321

Protanopia

21.0528, 22.1358, 19.9926

Deuteranopia

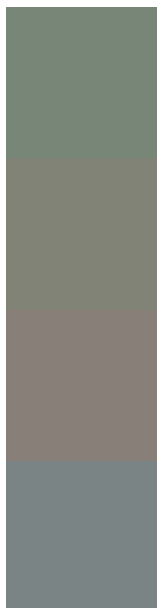
22.6389, 22.1587, 21.1730



Tritanopia

21.0924, 22.3666, 28.4048

Trichromacy



Original Color

19.4626, 22.3040, 20.7321

Protanomaly

20.4396, 22.2077, 20.3488

Deuteranomaly

21.2627, 22.0286, 20.9006

Tritanomaly

20.5109, 22.3336, 25.4201

Monochromacy



Original Color

19.4626, 22.3040, 20.7321

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.1418, 21.8059, 22.5494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4626, 22.3040, 20.7321 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(119, 134, 119)` looks like.

```
.text, #text, p{  
    color:rgb(119, 134, 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(119, 134, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 134, 119) }
```

Border

The CSS property to change the border of an element to XYZ 19.4626, 22.3040, 20.7321 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(119, 134, 119) }
```


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

```
.border{ border-color:rgb(119, 134, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 134, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 134, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 134, 119); box-shadow:4px 4px 4px 4px rgb(119, 134, 119) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4626, 22.3040, 20.7321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 134, 119) }
```

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

```
.background{ background-color: rgb(119,  
134, 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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