

Converting Colors

XYZ(19.4220, 19.0731, 29.8959)

Have a look what the booklet for
XYZ(19.4220, 19.0731, 29.8959)
contains.

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Color

**XYZ(19.4125, 19.0253,
29.8432)**

Conversions

Conversions Part 1

Format	Color
Hex	787692
RGB	120, 118, 146
RGB Percent	47%, 46%, 57%
CMY	0.5294, 0.5372, 0.4274
CMYK	0.18, 0.19, 0.00, 0.43
HSL	244°, 11%, 52%
HSV	244°, 19%, 57%
XYZ	19.4125, 19.0253, 29.8432
YIQ	121.7900, -7.7960, 9.1320

Conversions

Conversions Part 2

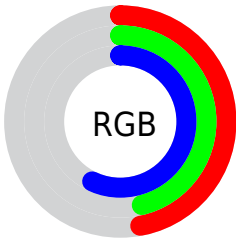
Format	Color
R_{YB}	120, 118, 146
Decimal	7894674
CIE Lab	50.72, 6.88, -14.89
CIE LCh	51, 16.400, 294.811
Yxy	19.0253, 0.2843, 0.2786
Android (android.graphics.Color)	4286084754 (0xFF787692)
YUV	121.7900, 11.9355, -1.5698
Hunter-Lab	43.6180, 3.1112, -10.0333

Details

The XYZ color **19.4125, 19.0253, 29.8432** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.0511, 27.7955, 21.1852**, and the grayscale version is **18.3949, 19.3529, 21.0753**.

A 20% lighter version of the original color is **42.0336, 41.8038, 60.4971**, and **6.8543, 6.5461, 11.7287** is the 20% darker color. If you saturate the color by 10%, you get **16.0755, 14.9476, 29.2323**, and if you desaturate by 10%, it is **23.2831, 23.7741, 30.5561**.

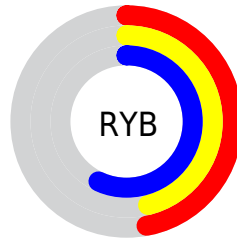
Distribution



Red (47%)

Green (46%)

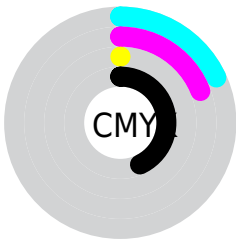
Blue (57%)



Red (47%)

Yellow (46%)

Blue (57%)

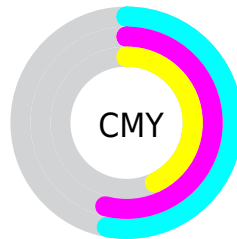


Cyan (18%)

Magenta (19%)

Yellow (0%)

Black (43%)



Cyan (53%)

Magenta (54%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4125, 19.0253, 29.8432 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 19.4125, 19.0253, 29.8432 by changing the saturation by 10% instead.

■ 19.4125, 19.0253,
29.8432

■ 19.4125, 19.0253,
29.8432

241.6113,
246.5884, 315.3574

■ 12.0745, 11.6886,
19.4686

■ 41.9415, 41.7768,
60.4722

■ 6.8670, 6.5320,
11.8291

■ 57.8632, 57.9604,
81.5636

■ 3.4246, 3.1712,
6.5063

■ 77.3768, 77.8618,
107.0644

■ 1.3821, 1.2217,
3.0816

100.8477,
101.8653, 137.3931

■ 0.2434, 0.0794,
1.1364

128.6412,
130.3553, 172.9682

■ 0.0000, 0.0000,
0.0000

161.1228,

163.7162, 214.2082

198.6577,
202.3324, 261.5318

■ 19.4125, 19.0253,
29.8432

■ 19.4125, 19.0253,
29.8432

■ 16.0755, 14.9476,
29.2323

■ 23.2831, 23.7741,
30.5561

■ 13.2470, 11.5085,
28.7176

■ 27.7073, 29.2199,
31.3741

■ 10.9025, 8.6764,
28.2945

■ 32.7066, 35.3900,
32.3015

■ 9.0148, 6.4159,
27.9577

■ 38.3003, 42.3098,
33.3424

■ 7.5540, 4.6880,
27.7011

■ 44.5073, 50.0031,
34.5002

■ 6.4866, 3.4490,
27.5183

■ 51.3454, 58.4930,
35.7785

■ 5.7740, 2.6480,
27.4012

■ 58.8317, 67.8014,
37.1806

■ 5.3467, 2.1763,
27.3327

■ 66.9827, 77.9495,
38.7098

■ 5.3189, 2.1426,
27.3276

■ 75.8143, 88.9575,
40.3691

Harmonies

Analogous

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



17.8046, 19.0253, 30.8512



19.4125, 19.0253, 29.8432



20.7310, 19.0253, 26.2521

Triad

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



19.4125, 19.0253, 29.8432



19.9250, 19.0253, 14.2853



15.1736, 19.0253, 19.9243

Complementary

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



19.4125, 19.0253, 29.8432



25.0511, 27.7955, 21.1852

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.



15.6706, 19.0253, 16.0175



19.4125, 19.0253, 29.8432



18.3642, 19.0253, 13.0851

Square

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



19.4125, 19.0253, 29.8432



21.0390, 19.0253, 17.2153



16.8156, 19.0253, 13.6689



15.4177, 19.0253, 24.6602

Rectangle

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



19.4125, 19.0253, 29.8432



21.2359, 19.0253, 23.1244



16.8156, 19.0253, 13.6689



15.2587, 19.0253, 18.4796

Sweetspot

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



19.4131, 19.0261, 29.8436



43.3525, 44.7420, 54.3247



22.6536, 25.9143, 31.0024



9.5501, 9.8375, 12.0677



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



19.4131, 19.0261, 29.8436



31.6087, 30.3364, 52.1631



21.4777, 20.0904, 29.9402



5.5356, 5.6516, 7.2688



4.6888, 1.8897, 24.0487



0.0650, 0.0271, 0.2947

Inverse Universe

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



23.3671, 21.0823, 29.2240



39.9037, 34.6510, 50.8178



22.7759, 26.6226, 21.0787



6.0176, 5.9021, 7.1990



14.3194, 6.9328, 20.9605



0.1796, 0.0866, 0.2792

Previews

White Background



This preview shows how the XYZ color 19.4125, 19.0253, 29.8432 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 19.4125, 19.0253, 29.8432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

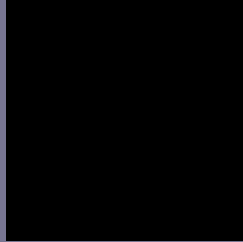
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.4125, 19.0253, 29.8432

Background



This preview shows how black text looks on a background with the XYZ color 19.4125, 19.0253, 29.8432.



This preview shows how white text looks on a background with the XYZ color 19.4125, 19.0253,

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

19.4125, 19.0253, 29.8432

Protanopia

19.0532, 19.1844, 30.3025

Deuteranopia

19.4125, 19.0253, 29.8432



Tritanopia

18.2028, 19.0684, 23.8403

Trichromacy



Original Color

19.4125, 19.0253, 29.8432

Protanomaly

19.1994, 19.0821, 30.2751

Deuteranomaly

19.4125, 19.0253, 29.8432

Tritanomaly

18.6316, 19.0621, 25.9899

Monochromacy



Original Color

19.4125, 19.0253, 29.8432

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.8193, 19.3784, 24.2212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4125, 19.0253, 29.8432 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(120, 118, 146)` looks like.

```
.text, #text, p{  
    color:rgb(120, 118, 146)  
}
```

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(120, 118, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 118, 146) }
```

Border

The CSS property to change the border of an element to XYZ 19.4125, 19.0253, 29.8432 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(120, 118, 146) }
```


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

```
.border{ border-color:rgb(120, 118, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 118, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 118, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 118, 146);  
box-shadow:4px 4px 4px 4px rgb(120, 118,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4125, 19.0253, 29.8432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 118, 146) }
```

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

```
.background{ background-color: rgb(120,  
118, 146) }
```

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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