

Converting Colors

XYZ(19.2828, 18.8062, 29.9200)

Have a look what the booklet for
XYZ(19.2828, 18.8062, 29.9200)
contains.

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Color

**XYZ(19.2953, 18.7910,
29.8042)**

Conversions

Conversions Part 1

Format	Color
Hex	787592
RGB	120, 117, 146
RGB Percent	47%, 46%, 57%
CMY	0.5294, 0.5412, 0.4274
CMYK	0.18, 0.20, 0.00, 0.43
HSL	246°, 12%, 52%
HSV	246°, 20%, 57%
XYZ	19.2953, 18.7910, 29.8042
YIQ	121.2030, -7.5210, 9.6550

Conversions

Conversions Part 2

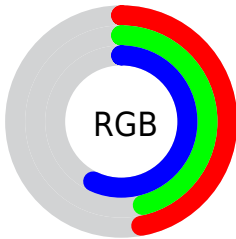
Format	Color
R_{YB}	120, 117, 146
Decimal	7894418
CIE Lab	50.44, 7.47, -15.30
CIE LCh	50, 17.031, 296.029
Yxy	18.7910, 0.2842, 0.2768
Android (android.graphics.Color)	4286084498 (0xFF787592)
YUV	121.2030, 12.2249, -1.0550
Hunter-Lab	43.3486, 3.5938, -10.4207

Details

The XYZ color **19.2953, 18.7910, 29.8042** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.8182, 27.6823, 20.8657**, and the grayscale version is **18.2035, 19.1515, 20.8560**.

A 20% lighter version of the original color is **41.8469, 41.4303, 60.4349**, and **6.7922, 6.4221, 11.7081** is the 20% darker color. If you saturate the color by 10%, you get **16.0321, 14.7777, 29.2019**, and if you desaturate by 10%, it is **23.0733, 23.4644, 30.5074**.

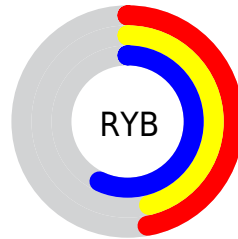
Distribution



Red (47%)

Green (46%)

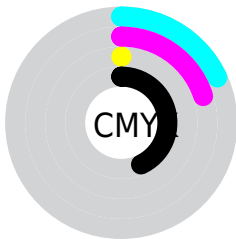
Blue (57%)



Red (47%)

Yellow (46%)

Blue (57%)

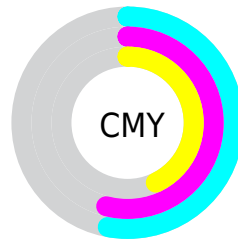


Cyan (18%)

Magenta (20%)

Yellow (0%)

Black (43%)



Cyan (53%)

Magenta (54%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2953, 18.7910, 29.8042 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 19.2953, 18.7910, 29.8042 by changing the saturation by 10% instead.

■ 19.2953, 18.7910,
29.8042

■ 19.2953, 18.7910,
29.8042

240.9811,
245.2925, 315.1696

■ 11.9891, 11.5194,
19.4392

■ 41.7455, 41.3806,
60.4097

■ 6.8084, 6.4173,
11.8081

■ 57.6203, 57.4674,
81.4874

■ 3.3878, 3.1005,
6.4922

■ 77.0819, 77.2614,
106.9730

■ 1.3620, 1.1844,
3.0730

100.4958,
101.1469, 137.2851

■ 0.2289, 0.0489,
1.1320

128.2273,
129.5084, 172.8423

■ 0.0000, 0.0000,
0.0000

160.6418,

162.7302, 214.0631

198.1046,
201.1968, 261.3660

■ 19.2953, 18.7910,
29.8042

■ 19.2953, 18.7910,
29.8042

■ 16.0321, 14.7777,
29.2019

■ 23.0733, 23.4644,
30.5074

■ 13.2596, 11.3926,
28.6946

■ 27.3851, 28.8235,
31.3146

■ 10.9545, 8.6045,
28.2779

■ 32.2511, 34.8952,
32.2301

■ 9.0908, 6.3786,
27.9465

■ 37.6901, 41.7044,
33.2577

■ 7.6401, 4.6764,
27.6944

■ 43.7198, 49.2746,
34.4011

■ 6.5705, 3.4548,
27.5150

■ 50.3574, 57.6284,
35.6637

■ 5.8454, 2.6635,
27.4005

■ 57.6193, 66.7875,
37.0489

■ 5.3921, 2.1836,
27.3317

■ 65.5212, 76.7727,
38.5597

■ 5.3869, 2.1777,
27.3309

■ 74.0782, 87.6040,
40.1994

Harmonies

Analogous

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



17.6405, 18.7910, 30.9805



19.2953, 18.7910, 29.8042



20.6352, 18.7910, 25.9946

Triad

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



19.2953, 18.7910, 29.8042



19.7005, 18.7910, 13.7871



14.8665, 18.7910, 19.8347

Complementary

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



19.2953, 18.7910, 29.8042



24.8182, 27.6823, 20.8657

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.



15.3460, 18.7910, 15.7730



19.2953, 18.7910, 29.8042



18.0819, 18.7910, 12.6402

Square

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



19.2953, 18.7910, 29.8042



20.8791, 18.7910, 16.7114



16.4982, 18.7910, 13.3070



15.1474, 18.7910, 24.7315

Rectangle

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



19.2953, 18.7910, 29.8042



21.1342, 18.7910, 22.7434



16.4982, 18.7910, 13.3070



14.9432, 18.7910, 18.3351

Sweetspot

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



19.2959, 18.7918, 29.8046



43.4359, 44.7849, 54.3286



22.3625, 25.5327, 30.9441



9.5702, 9.8479, 12.0686



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.



19.2959, 18.7918, 29.8046



31.2670, 29.7347, 52.0650



21.4457, 19.9000, 29.9052



5.5519, 5.6600, 7.2696



4.7505, 1.9216, 24.0516



0.0691, 0.0292, 0.2949

Inverse Universe

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



23.1740, 20.8176, 28.7845



39.4499, 34.0108, 49.8426



22.4830, 26.4785, 20.7564



6.0097, 5.8990, 7.1575



14.0359, 6.8194, 19.4677



0.1778, 0.0859, 0.2698

Previews

White Background



This preview shows how the XYZ color 19.2953, 18.7910, 29.8042 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 19.2953, 18.7910, 29.8042 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 19.2953, 18.7910, 29.8042

Background



This preview shows how black text looks on a background with the XYZ color 19.2953, 18.7910, 29.8042.



This preview shows how white text looks on a background with the XYZ color 19.2953, 18.7910,

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

19.2953, 18.7910, 29.8042

Protanopia

18.6733, 18.8109, 30.2504

Deuteranopia

19.1573, 18.7198, 29.7977



Tritanopia

18.0150, 18.7998, 23.4481

Trichromacy



Original Color

19.2953, 18.7910, 29.8042

Protanomaly

18.9474, 18.7765, 30.2293

Deuteranomaly

19.1573, 18.7198, 29.7977

Tritanomaly

18.4412, 18.7945, 25.5774

Monochromacy



Original Color

19.2953, 18.7910, 29.8042

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.6309, 19.1096, 23.8257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2953, 18.7910, 29.8042 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, 117, 146)` looks like.

```
.text, #text, p{  
    color:rgb(120, 117, 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, 117, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 117, 146) }
```

Border

The CSS property to change the border of an element to XYZ 19.2953, 18.7910, 29.8042 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, 117, 146) }
```


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

```
.border{ border-color:rgb(120, 117, 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, 117, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 117, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 117, 146); box-shadow:4px 4px 4px 4px rgb(120, 117, 146) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2953, 18.7910, 29.8042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 117, 146) }
```

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

```
.background{ background-color: rgb(120,  
117, 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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