

Converting Colors

XYZ(19.0825, 12.7154, 3.3043)

Have a look what the booklet for
XYZ(19.0825, 12.7154, 3.3043)
contains.

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Color

**XYZ(19.0927, 12.6943,
3.2777)**

Conversions

Conversions Part 1

Format	Color
Hex	AB4226
RGB	171, 66, 38
RGB Percent	67%, 26%, 15%
CMY	0.3294, 0.7412, 0.8510
CMYK	0.00, 0.61, 0.78, 0.33
HSL	13°, 64%, 41%
HSV	13°, 78%, 67%
XYZ	19.0927, 12.6943, 3.2777
YIQ	94.2030, 71.5680, 13.5520

Conversions

Conversions Part 2

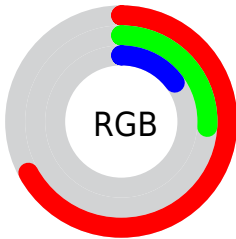
Format	Color
R_{YB}	171, 73, 38
Decimal	11223590
CIE _{Lab}	42.30, 41.54, 38.30
CIE _{LCh}	42, 56.501, 42.676
Yxy	12.6943, 0.5445, 0.3620
Android (android.graphics.Color)	4289413670 (0xFFAB4226)
YUV	94.2030, -27.7081, 67.3510
Hunter-Lab	35.6291, 33.3027, 19.4860

Details

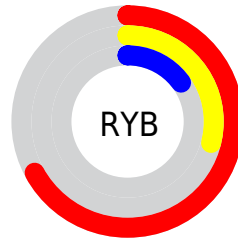
The XYZ color **19.0927, 12.6943, 3.2777** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **17.9717, 22.9957, 42.0193**, and the grayscale version is **10.7396, 11.2989, 12.3045**.

A 20% lighter version of the original color is **41.3968, 30.7685, 12.3514**, and **6.7689, 3.6184, 0.3417** is the 20% darker color. If you saturate the color by 10%, you get **18.1797, 11.2132, 1.9109**, and if you desaturate by 10%, it is **20.3191, 14.5999, 5.3743**.

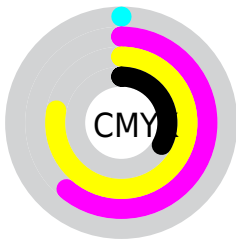
Distribution



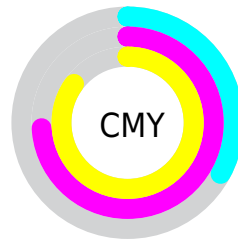
- Red (67%)
- Green (26%)
- Blue (15%)



- Red (67%)
- Yellow (29%)
- Blue (15%)



- Cyan (0%)
- Magenta (61%)
- Yellow (78%)
- Black (33%)





- Cyan (33%)
- Magenta (74%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0927, 12.6943, 3.2777 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 19.0927, 12.6943, 3.2777 by changing the saturation by 10% instead.


 19.0927, 12.6943,
3.2777


 19.0927, 12.6943,
3.2777


239.8883,
208.9491, 139.8226


 11.8417, 7.2184,
1.2381


 41.4063, 30.7535,
12.3063


 6.7074, 3.5990,
0.0103


 57.1997, 44.1055,
20.1324


 3.3245, 1.4519,
0.0000

 76.5712, 60.8517,
30.7245

 1.3276, 0.2545,
0.0000

 99.8862, 81.3765,
44.5010

 0.2037, 0.0000,
0.0000

 127.5100,
106.0642, 61.8805

 0.0000, 0.0000,
0.0000

 159.8081,

135.2993, 83.2816

197.1458,
169.4661, 109.1228

19.0927, 12.6943,
3.2777

19.0927, 12.6943,
3.2777

18.1797, 11.2132,
1.9109

20.3191, 14.5999,
5.3743

17.5411, 10.1178,
1.1376

21.8856, 16.9580,
8.2851

17.4256, 9.9201,
0.9963

23.8165, 19.7965,
12.0835

26.1339, 23.1407,
16.8345

28.8577, 27.0136,
22.5970

■ 32.0067, 31.4372,
29.4250

■ 35.5983, 36.4320,
37.3689

■ 39.6490, 42.0176,
46.4756

■ 44.1746, 48.2124,
56.7894

Harmonies

Analogous

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



21.8751, 12.6943, 9.3120



19.0927, 12.6943, 3.2777



14.6549, 12.6943, 1.3753

Triad

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



19.0927, 12.6943, 3.2777



5.8444, 12.6943, 7.9782



13.9411, 12.6943, 51.3135

Complementary

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



19.0927, 12.6943, 3.2777



17.9717, 22.9957, 42.0193

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.



9.8007, 12.6943, 50.1495



19.0927, 12.6943, 3.2777



5.7397, 12.6943, 19.5937

Square

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



19.0927, 12.6943, 3.2777



7.3468, 12.6943, 2.7919



7.0166, 12.6943, 36.4068



18.4660, 12.6943, 39.0158

Rectangle

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



19.0927, 12.6943, 3.2777



11.6895, 12.6943, 1.1654



7.0166, 12.6943, 36.4068



12.4496, 12.6943, 52.6257

Sweetspot

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



19.0930, 12.6950, 3.2779



54.0520, 51.7190, 45.5744



22.5524, 12.0701, 27.6873



11.6253, 10.9299, 9.2391



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



19.0930, 12.6950, 3.2779



31.7309, 18.6672, 2.4027



25.2742, 25.0574, 5.3383



8.1368, 8.2785, 8.3824



13.1686, 7.5427, 0.7618



0.4047, 0.2865, 0.0340

Inverse Universe

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



17.9717, 22.9957, 42.0193



29.3717, 37.3744, 74.6678



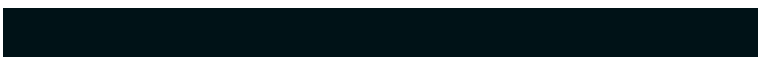
10.8674, 8.7871, 39.6512



8.0910, 8.7814, 10.2212



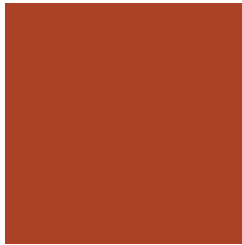
12.1108, 15.3555, 31.3701



0.3724, 0.4981, 0.8845

Previews

White Background



This preview shows how the XYZ color 19.0927, 12.6943, 3.2777 looks on a white 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

Black Background



This preview shows how the XYZ color 19.0927, 12.6943, 3.2777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

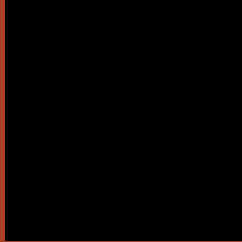
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.0927, 12.6943, 3.2777

Background



This preview shows how black text looks on a background with the XYZ color 19.0927, 12.6943, 3.2777.



This preview shows how white text looks on a background with the XYZ color 19.0927, 12.6943,

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

19.0927, 12.6943, 3.2777

Protanopia

11.7427, 12.9003, 4.6674

Deuteranopia

13.0214, 12.8951, 3.0310



Tritanopia

19.7741, 12.7190, 6.5671

Trichromacy



Original Color

19.0927, 12.6943, 3.2777

Protanomaly

13.6172, 12.1478, 4.0099

Deuteranomaly

14.6783, 12.3576, 3.0505

Tritanomaly

19.5605, 12.7230, 5.1662

Monochromacy



Original Color

19.0927, 12.6943, 3.2777

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

12.4324, 10.9726, 7.9412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0927, 12.6943, 3.2777 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(171, 66, 38)` looks like.

```
.text, #text, p{  
    color:rgb(171, 66, 38)  
}
```

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(171, 66, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 66, 38) }
```

Border

The CSS property to change the border of an element to XYZ 19.0927, 12.6943, 3.2777 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(171, 66, 38) }
```


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

```
.border{ border-color:rgb(171, 66, 38) }
```

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

Here you see how a box with a 4 pixel rgb(171, 66, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 66, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 66, 38);  
box-shadow:4px 4px 4px 4px rgb(171, 66,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0927, 12.6943, 3.2777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 66, 38) }
```

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

```
.background{ background-color: rgb(171, 66,  
38) }
```

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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