

Converting Colors

XYZ(19.7060, 14.7612, 7.8293)

Have a look what the booklet for
XYZ(19.7060, 14.7612, 7.8293)
contains.

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Color

**XYZ(19.6175, 14.6881,
7.7624)**

Conversions

Conversions Part 1

Format	Color
Hex	A45447
RGB	164, 84, 71
RGB Percent	64%, 33%, 28%
CMY	0.3569, 0.6706, 0.7216
CMYK	0.00, 0.49, 0.57, 0.36
HSL	8°, 40%, 46%
HSV	8°, 57%, 64%
XYZ	19.6175, 14.6881, 7.7624
YIQ	106.4380, 51.8530, 12.9170

Conversions

Conversions Part 2

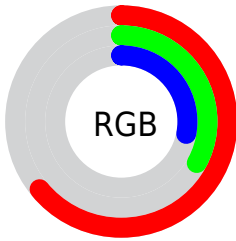
Format	Color
RYB	164, 86, 71
Decimal	10769479
CIELab	45.20, 31.68, 22.59
CIELCh	45, 38.909, 35.500
Yxy	14.6881, 0.4663, 0.3492
Android (android.graphics.Color)	4288959559 (0xFFA45447)
YUV	106.4380, -17.4709, 50.4819
Hunter-Lab	38.3251, 24.3002, 14.8189

Details

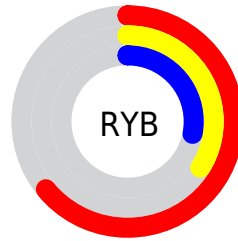
The XYZ color **19.6175, 14.6881, 7.7624** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **20.3653, 26.1517, 39.0962**, and the grayscale version is **13.8569, 14.5786, 15.8760**.

A 20% lighter version of the original color is **42.1783, 34.2136, 22.1501**, and **6.9832, 4.4693, 1.5315** is the 20% darker color. If you saturate the color by 10%, you get **18.1736, 12.5321, 5.0256**, and if you desaturate by 10%, it is **21.4247, 17.3435, 11.3214**.

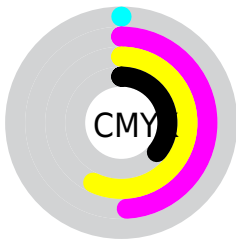
Distribution



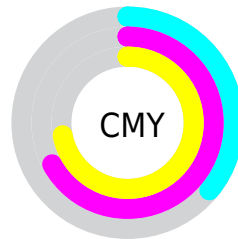
- Red (64%)
- Green (33%)
- Blue (28%)



- Red (64%)
- Yellow (34%)
- Blue (28%)



- Cyan (0%)
- Magenta (49%)
- Yellow (57%)
- Black (36%)



- Cyan (36%)
- Magenta (67%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6175, 14.6881, 7.7624 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 19.6175, 14.6881, 7.7624 by changing the saturation by 10% instead.

■ 19.6175, 14.6881,
7.7624

■ 19.6175, 14.6881,
7.7624

242.7100,
221.4705, 183.7208

■ 12.2240, 8.6008,
3.8577

■ 42.2838, 34.3051,
22.0297

■ 6.9697, 4.4817,
1.5476

■ 58.2873, 48.6035,
33.2295

■ 3.4893, 1.9465,
0.2530

■ 77.8915, 66.4078,
47.6980

■ 1.4175, 0.5761,
0.0000

■ 101.4617, 88.1023,
65.8538

■ 0.2686, 0.0000,
0.0000

■ 129.3633,
114.0715, 88.1154

■ 0.0000, 0.0000,
0.0000

161.9616,

144.6996, 114.9014

199.6221,
180.3712, 146.6304

■ 19.6175, 14.6881,
7.7624

■ 19.6175, 14.6881,
7.7624

■ 18.1736, 12.5321,
5.0256

■ 21.4247, 17.3435,
11.3214

■ 17.0670, 10.8419,
3.0439

■ 23.6167, 20.5246,
15.7606

■ 16.2695, 9.5833,
1.7413

■ 26.2147, 24.2585,
21.1340

■ 15.7447, 8.7150,
1.0074

■ 29.2379, 28.5699,
27.4906

■ 15.6148, 8.5026,
0.8182

■ 32.7043, 33.4819,
34.8763

■ 36.6310, 39.0163,
43.3339

■ 41.0340, 45.1940,
52.9040

■ 45.9285, 52.0348,
63.6248

■ 51.3292, 59.5574,
75.5329

Harmonies

Analogous

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



21.0562, 14.6881, 14.3565



19.6175, 14.6881, 7.7624



16.6821, 14.6881, 4.6921

Triad

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



19.6175, 14.6881, 7.7624



9.0603, 14.6881, 9.7212



14.5611, 14.6881, 40.8561

Complementary

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



19.6175, 14.6881, 7.7624



20.3653, 26.1517, 39.0962

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.



11.5525, 14.6881, 38.0962



19.6175, 14.6881, 7.7624



8.6704, 14.6881, 17.7491

Square

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



19.6175, 14.6881, 7.7624



10.6720, 14.6881, 5.4812



9.5114, 14.6881, 28.6226



17.8637, 14.6881, 35.1512

Rectangle

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



19.6175, 14.6881, 7.7624



14.4509, 14.6881, 4.0451



9.5114, 14.6881, 28.6226



13.4815, 14.6881, 40.9064

Sweetspot

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



19.6179, 14.6889, 7.7627



52.7127, 51.3486, 49.1399



23.1978, 14.6530, 31.1399



11.2877, 10.8896, 10.2436



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



19.6179, 14.6889, 7.7627



32.4150, 21.8803, 8.0712



24.4165, 24.2861, 9.3622



7.1500, 7.2384, 7.4004



11.9948, 6.5634, 0.6347



0.2738, 0.1813, 0.0206

Inverse Universe

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



20.3653, 26.1517, 39.0962



33.8397, 44.6230, 70.5819



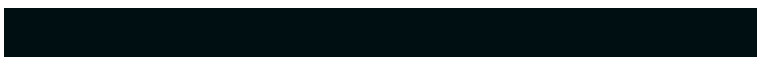
14.3612, 14.1436, 37.0949



7.1913, 7.8416, 9.0376



12.4747, 16.7288, 29.5013



0.2838, 0.3949, 0.6271

Previews

White Background



This preview shows how the XYZ color 19.6175, 14.6881, 7.7624 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 19.6175, 14.6881, 7.7624 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 19.6175, 14.6881, 7.7624

Background



This preview shows how black text looks on a background with the XYZ color 19.6175, 14.6881, 7.7624.



This preview shows how white text looks on a background with the XYZ color 19.6175, 14.6881,

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

19.6175, 14.6881, 7.7624

Protanopia

13.8131, 14.7543, 9.9044

Deuteranopia

15.0996, 14.8637, 7.5420



Tritanopia

20.2546, 14.7220, 10.7909

Trichromacy



Original Color

19.6175, 14.6881, 7.7624

Protanomaly

15.4743, 14.4460, 8.9940

Deuteranomaly

16.4124, 14.5462, 7.5729

Tritanomaly

20.0955, 14.7799, 9.5782

Monochromacy



Original Color

19.6175, 14.6881, 7.7624

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.0959, 14.0377, 12.2698

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6175, 14.6881, 7.7624 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(164, 84, 71)` looks like.

```
.text, #text, p{  
    color:rgb(164, 84, 71)  
}
```

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(164, 84, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 84, 71) }
```

Border

The CSS property to change the border of an element to XYZ 19.6175, 14.6881, 7.7624 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(164, 84, 71) }
```


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

```
.border{ border-color:rgb(164, 84, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 84, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 84, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 84, 71);  
box-shadow:4px 4px 4px 4px rgb(164, 84,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6175, 14.6881, 7.7624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 84, 71) }
```

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

```
.background{ background-color: rgb(164, 84,  
71) }
```

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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