

Converting Colors

XYZ(19.7039, 19.4503, 30.7616)

Have a look what the booklet for
XYZ(19.7039, 19.4503, 30.7616)
contains.

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Color

**XYZ(19.8075, 19.5641,
30.7493)**

Conversions

Conversions Part 1

Format	Color
Hex	787894
RGB	120, 120, 148
RGB Percent	47%, 47%, 58%
CMY	0.5294, 0.5294, 0.4196
CMYK	0.19, 0.19, 0.00, 0.42
HSL	240°, 12%, 53%
HSV	240°, 19%, 58%
XYZ	19.8075, 19.5641, 30.7493
YIQ	123.1920, -8.9880, 8.7080

Conversions

Conversions Part 2

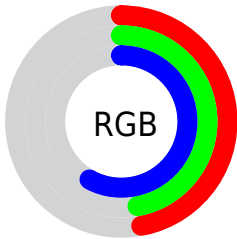
Format	Color
R_{YB}	120, 120, 148
Decimal	7895188
CIE _{Lab}	51.34, 6.18, -15.11
CIE _{LCh}	51, 16.325, 292.230
Yxy	19.5641, 0.2825, 0.2790
Android (android.graphics.Color)	4286085268 (0xFF787894)
YUV	123.1920, 12.2303, -2.7994
Hunter-Lab	44.2313, 2.5304, -10.2561

Details

The XYZ color **19.8075, 19.5641, 30.7493** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.1931, 28.8319, 21.9544**, and the grayscale version is **18.8536, 19.8354, 21.6008**.

A 20% lighter version of the original color is **42.6468, 42.6536, 61.8623**, and **7.0736, 6.8374, 12.2562** is the 20% darker color. If you saturate the color by 10%, you get **16.2670, 15.2982, 30.1128**, and if you desaturate by 10%, it is **23.9416, 24.5454, 31.4932**.

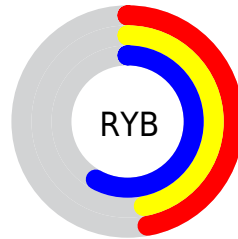
Distribution



Red (47%)

Green (47%)

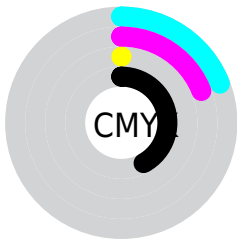
Blue (58%)



Red (47%)

Yellow (47%)

Blue (58%)

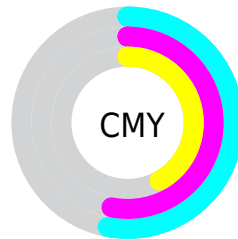


Cyan (19%)

Magenta (19%)

Yellow (0%)

Black (42%)



Cyan (53%)

Magenta (53%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8075, 19.5641, 30.7493 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 19.8075, 19.5641, 30.7493 by changing the saturation by 10% instead.

■ 19.8075, 19.5641,
30.7493

■ 19.8075, 19.5641,
30.7493

243.7246,
249.5455, 319.6970

■ 12.3626, 12.0786,
20.1512

■ 42.6006, 42.6851,
61.9201

■ 7.0651, 6.7972,
12.3198

■ 58.6796, 59.0895,
83.3298

■ 3.5495, 3.3356,
6.8367

■ 78.3673, 79.2355,
109.1805

■ 1.4506, 1.3094,
3.2833

102.0291,
103.5077, 139.8907

■ 0.2918, 0.1484,
1.2410

130.0304,
132.2904, 175.8789

■ 0.0000, 0.0000,
0.0127

162.7365,

■ 0.0000, 0.0000,

165.9680, 217.5636

0.0000

200.5128,
204.9249, 265.3635

■ 19.8075, 19.5641,
30.7493

■ 19.8075, 19.5641,
30.7493

■ 16.2670, 15.2982,
30.1128

■ 23.9416, 24.5454,
31.4932

■ 13.2913, 11.7126,
29.5776

■ 28.6928, 30.2703,
32.3478

■ 10.8515, 8.7728,
29.1387

■ 34.0857, 36.7683,
33.3178

■ 8.9159, 6.4406,
28.7906

■ 40.1429, 44.0668,
34.4073

■ 7.4493, 4.6734,
28.5268

■ 46.8860, 52.1916,
35.6202

■ 6.4119, 3.4233,
28.3402

■ 54.3354, 61.1676,
36.9601

■ 5.7573, 2.6346,
28.2224

■ 62.5110, 71.0185,
38.4306

■ 5.3828, 2.1833,
28.1551

■ 71.4315, 81.7670,
40.0351

■ 5.3454, 2.1382,
28.1483

■ 81.1153, 93.4352,
41.7769

Harmonies

Analogous

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



18.1741, 19.5641, 31.5030



19.8075, 19.5641, 30.7493



21.1871, 19.5641, 27.2932

Triad

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



19.8075, 19.5641, 30.7493



20.5838, 19.5641, 14.9593



15.6564, 19.5641, 20.1100

Complementary

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



19.8075, 19.5641, 30.7493



26.1931, 28.8319, 21.9544

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.



16.2236, 19.5641, 16.2587



19.8075, 19.5641, 30.7493



19.0225, 19.5641, 13.5816

Square

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



19.8075, 19.5641, 30.7493



21.6532, 19.5641, 18.0802



17.4332, 19.5641, 14.0199



15.8394, 19.5641, 24.8854

Rectangle

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



19.8075, 19.5641, 30.7493



21.7458, 19.5641, 24.1638



17.4332, 19.5641, 14.0199



15.7644, 19.5641, 18.6755

Sweetspot

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



19.8081, 19.5649, 30.7497



44.4775, 46.0008, 55.9694



23.6445, 27.2967, 31.8467



10.0469, 10.3729, 12.7575



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



19.8081, 19.5649, 30.7497



31.9861, 30.9496, 53.7226



21.8195, 20.6017, 30.8438



5.4995, 5.6330, 7.2672



4.5658, 1.8264, 24.0429



0.0559, 0.0224, 0.2943

Inverse Universe

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



22.3199, 21.0855, 20.6636



37.3106, 34.1729, 32.3420



23.8866, 27.6431, 21.8465



5.8008, 5.8154, 6.0572



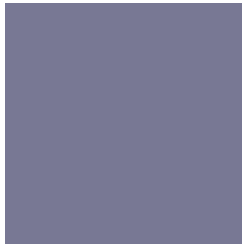
10.4317, 5.3777, 0.4883



0.1277, 0.0658, 0.0060

Previews

White Background



This preview shows how the XYZ color 19.8075, 19.5641, 30.7493 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 19.8075, 19.5641, 30.7493 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 19.8075, 19.5641, 30.7493

Background



This preview shows how black text looks on a background with the XYZ color 19.8075, 19.5641, 30.7493.



This preview shows how white text looks on a background with the XYZ color 19.8075, 19.5641,

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

19.8075, 19.5641, 30.7493

Protanopia

19.4646, 19.5577, 31.1829

Deuteranopia

19.9469, 19.6360, 30.7558



Tritanopia

18.5839, 19.6138, 24.6362

Trichromacy



Original Color

19.8075, 19.5641, 30.7493

Protanomaly

19.5983, 19.6266, 31.1891

Deuteranomaly

19.9469, 19.6360, 30.7558

Tritanomaly

19.0182, 19.6056, 26.8266

Monochromacy



Original Color

19.8075, 19.5641, 30.7493

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.1504, 19.7226, 24.6273

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8075, 19.5641, 30.7493 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, 120, 148)` looks like.

```
.text, #text, p{  
    color:rgb(120, 120, 148)  
}
```

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, 120, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 120, 148) }
```

Border

The CSS property to change the border of an element to XYZ 19.8075, 19.5641, 30.7493 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, 120, 148) }
```


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

```
.border{ border-color:rgb(120, 120, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 120, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 120, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 120, 148);  
box-shadow:4px 4px 4px 4px rgb(120, 120,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8075, 19.5641, 30.7493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 120, 148) }
```

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

```
.background{ background-color: rgb(120,  
120, 148) }
```

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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