

Converting Colors

XYZ(21.0690, 15.1198, 16.3927)

Have a look what the booklet for
XYZ(21.0690, 15.1198, 16.3927)
contains.

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Color

**XYZ(20.9578, 15.0772,
16.2736)**

Conversions

Conversions Part 1

Format	Color
Hex	A3536D
RGB	163, 83, 109
RGB Percent	64%, 33%, 43%
CMY	0.3608, 0.6745, 0.5725
CMYK	0.00, 0.49, 0.33, 0.36
HSL	341°, 33%, 48%
HSV	341°, 49%, 64%
XYZ	20.9578, 15.0772, 16.2736
YIQ	109.8840, 39.3340, 25.0460

Conversions

Conversions Part 2

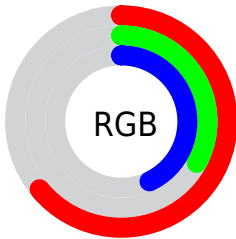
Format	Color
R _Y B	163, 83, 109
Decimal	10703725
CIE Lab	45.74, 35.95, 0.31
CIE LCh	46, 35.950, 0.494
Yxy	15.0772, 0.4007, 0.2882
Android (android.graphics.Color)	4288893805 (0xFFA3536D)
YUV	109.8840, -0.4358, 46.5827
Hunter-Lab	38.8294, 28.3924, 2.3318

Details

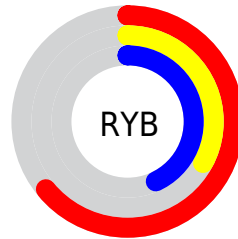
The XYZ color **20.9578, 15.0772, 16.2736** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **21.1806, 29.8398, 28.3119**, and the grayscale version is **14.7816, 15.5514, 16.9354**.

A 20% lighter version of the original color is **44.5243, 35.0817, 37.6825**, and **7.5977, 4.6237, 5.0494** is the 20% darker color. If you saturate the color by 10%, you get **19.2984, 12.6476, 12.9788**, and if you desaturate by 10%, it is **22.9854, 18.1243, 20.0573**.

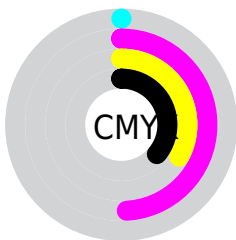
Distribution



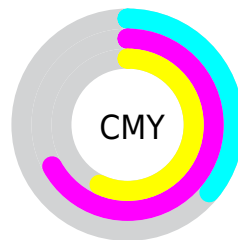
- Red (64%)
- Green (33%)
- Blue (43%)



- Red (64%)
- Yellow (33%)
- Blue (43%)



- Cyan (0%)
- Magenta (49%)
- Yellow (33%)
- Black (36%)



- Cyan (36%)
- Magenta (67%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9578, 15.0772, 16.2736 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 20.9578, 15.0772, 16.2736 by changing the saturation by 10% instead.

20.9578, 15.0772,
16.2736

20.9578, 15.0772,
16.2736

249.7901,
223.8330, 242.8514

13.2054, 8.8736,
9.5615

44.5091, 34.9886,
37.8459

7.6481, 4.6588,
5.0074

61.0387, 49.4651,
53.5432

3.9205, 2.0485,
2.1928

81.2249, 67.4680,
73.0727

1.6573, 0.6354,
0.6702

105.4328, 89.3818,
96.8529

0.4293, 0.0000,
0.0000

134.0280,
115.5908, 125.3023

0.0000, 0.0000,
0.0000

167.3757,

146.4794, 158.8395

205.8413,
182.4320, 197.8830

■ 20.9578, 15.0772,
16.2736

■ 20.9578, 15.0772,
16.2736

■ 19.2984, 12.6476,
12.9788

■ 22.9854, 18.1243,
20.0573

■ 17.9823, 10.7905,
10.1507

■ 25.4014, 21.8253,
24.3490

■ 16.9835, 9.4583,
7.7664


■ 28.2258, 26.2166,
29.1677


■ 16.2712, 8.5944,
5.8005


■ 31.4772, 31.3311,
34.5310


■ 15.7861, 8.0854,
4.2168


■ 35.1725, 37.1995,
40.4559

 15.7461, 8.0433,
4.0870

 39.3282, 43.8509,
46.9585

 43.9596, 51.3128,
54.0541

 49.0814, 59.6114,
61.7577

 54.7076, 68.7715,
70.0835

Harmonies

Analogous

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



20.0025, 15.0772, 26.0467



20.9578, 15.0772, 16.2736



19.9400, 15.0772, 9.3401

Triad

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



20.9578, 15.0772, 16.2736



11.5807, 15.0772, 5.8505



11.6561, 15.0772, 35.5638

Complementary

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



20.9578, 15.0772, 16.2736



21.1806, 29.8398, 28.3119

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.



9.8859, 15.0772, 26.3859



20.9578, 15.0772, 16.2736



9.8469, 15.0772, 9.5116

Square

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



20.9578, 15.0772, 16.2736



14.2804, 15.0772, 4.7689



9.2721, 15.0772, 16.5602



14.3805, 15.0772, 39.2982

Rectangle

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



20.9578, 15.0772, 16.2736



18.3517, 15.0772, 6.6368



9.2721, 15.0772, 16.5602



10.9442, 15.0772, 32.8842

Sweetspot

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



20.9582, 15.0780, 16.2739



52.6704, 50.2756, 55.7691



19.9123, 14.0940, 36.3211



11.5748, 10.8920, 12.1024



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.



20.9582, 15.0780, 16.2739



34.2947, 22.2669, 22.6909



20.8795, 16.8386, 10.3344



7.1642, 7.1221, 7.8513



12.2566, 6.2587, 3.2762



0.2784, 0.1399, 0.1789

Inverse Universe

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



20.9582, 15.0780, 16.2739



34.2947, 22.2669, 22.6909



21.0319, 26.1902, 38.5970



7.1642, 7.1221, 7.8513



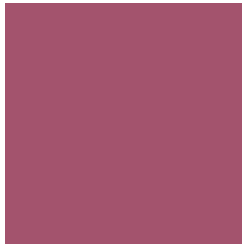
12.2566, 6.2587, 3.2762



0.2784, 0.1399, 0.1789

Previews

White Background



This preview shows how the XYZ color 20.9578, 15.0772, 16.2736 looks on a white background.

Color Contrast Check

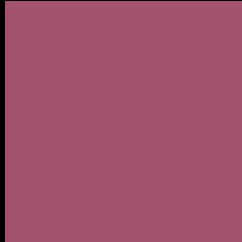
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9578, 15.0772, 16.2736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

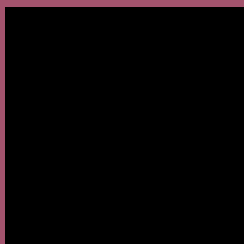
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.9578, 15.0772, 16.2736

Background



This preview shows how black text looks on a background with the XYZ color 20.9578, 15.0772, 16.2736.



This preview shows how white text looks on a background with the XYZ color 20.9578, 15.0772,

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

20.9578, 15.0772, 16.2736

Protanopia

14.9445, 15.2445, 21.2236

Deuteranopia

15.4865, 15.1880, 15.4800



Tritanopia

20.1598, 15.1097, 11.9791

Trichromacy



Original Color

20.9578, 15.0772, 16.2736

Protanomaly

16.5440, 14.7676, 19.4312

Deuteranomaly

17.0296, 14.8242, 15.5995

Tritanomaly

20.3534, 15.0602, 13.3894

Monochromacy



Original Color

20.9578, 15.0772, 16.2736

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

16.4249, 14.9073, 16.7636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9578, 15.0772, 16.2736 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(163, 83, 109)` looks like.

```
.text, #text, p{  
    color:rgb(163, 83, 109)  
}
```

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(163, 83, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 83, 109) }
```

Border

The CSS property to change the border of an element to XYZ 20.9578, 15.0772, 16.2736 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(163, 83, 109) }
```


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

```
.border{ border-color:rgb(163, 83, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 83, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 83, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 83, 109);  
box-shadow:4px 4px 4px 4px rgb(163, 83,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9578, 15.0772, 16.2736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 83, 109) }
```

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

```
.background{ background-color: rgb(163, 83,  
109) }
```

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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