

Converting Colors

XYZ(22.6273, 16.1521, 33.3776)

Have a look what the booklet for
XYZ(22.6273, 16.1521, 33.3776)
contains.

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Color

**XYZ(22.6273, 16.1521,
33.3776)**

Conversions

Conversions Part 1

Format	Color
Hex	99589C
RGB	153, 88, 156
RGB Percent	60%, 35%, 61%
CMY	0.4000, 0.6549, 0.3882
CMYK	0.02, 0.44, 0.00, 0.39
HSL	297°, 28%, 48%
HSV	297°, 44%, 61%
XYZ	22.6273, 16.1521, 33.3776
YIQ	115.1870, 16.9120, 34.9280

Conversions

Conversions Part 2

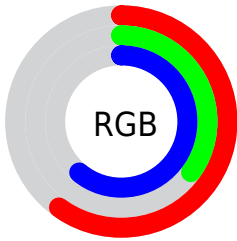
Format	Color
R _Y B	153, 88, 156
Decimal	10049692
CIE _{Lab}	47.17, 37.59, -25.93
CIE _{LCh}	47, 45.665, 325.395
Yxy	16.1521, 0.3136, 0.2238
Android (android.graphics.Color)	4288239772 (0xFF99589C)
YUV	115.1870, 20.1208, 33.1620
Hunter-Lab	40.1897, 30.1658, -21.1077

Details

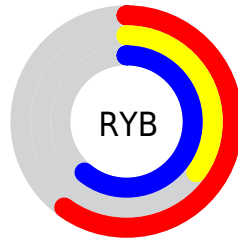
The XYZ color **22.6273, 16.1521, 33.3776** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **17.9650, 26.7061, 13.4414**, and the grayscale version is **16.2902, 17.1386, 18.6639**.

A 20% lighter version of the original color is **47.4305, 37.0146, 66.2727**, and **8.4797, 5.1598, 13.6457** is the 20% darker color. If you saturate the color by 10%, you get **21.3518, 13.7931, 32.9897**, and if you desaturate by 10%, it is **24.1786, 19.0610, 33.8575**.

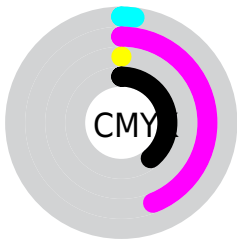
Distribution



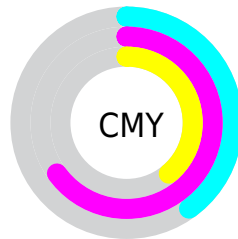
- Red (60%)
- Green (35%)
- Blue (61%)



- Red (60%)
- Yellow (35%)
- Blue (61%)



- Cyan (2%)
- Magenta (44%)
- Yellow (0%)
- Black (39%)



- Cyan (40%)
- Magenta (65%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6273, 16.1521, 33.3776 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 22.6273, 16.1521, 33.3776 by changing the saturation by 10% instead.

■ 22.6273, 16.1521,
33.3776

■ 22.6273, 16.1521,
33.3776

258.3761,
230.2376, 332.0318

■ 14.4377, 9.6318,
22.1424

■ 47.2518, 36.8621,
66.0874

■ 8.5095, 5.1556,
13.7622

■ 64.4174, 51.8205,
88.3991

■ 4.4772, 2.3388,
7.8186

■ 85.3058, 70.3606,
115.2400

■ 1.9755, 0.7941,
3.8930

■ 110.2823, 92.8665,
147.0286

■ 0.6201, 0.0000,
1.5668

■ 139.7122,
119.7228, 184.1836

■ 0.0000, 0.0000,
0.2670

173.9609,

■ 0.0000, 0.0000,

151.3138, 227.1235

0.0000

213.3938,
188.0239, 276.2667

■ 22.6273, 16.1521,
33.3776

■ 22.6273, 16.1521,
33.3776

■ 21.3518, 13.7931,
32.9897

■ 24.1786, 19.0610,
33.8575

■ 20.3329, 11.9464,
32.6870

■ 26.0203, 22.5497,
34.4339

■ 19.5514, 10.5735,
32.4632

■ 28.1676, 26.6488,
35.1119

■ 18.9848, 9.6292,
32.3108

■ 30.6345, 31.3857,
35.8962

■ 18.6061, 9.0598,
32.2208

■ 33.4338, 36.7865,
36.7911

■ 18.4167, 8.8010,
32.1808

■ 36.5779, 42.8757,
37.8007

■ 40.0784, 49.6765,
38.9289

■ 43.9464, 57.2112,
40.1794

■ 48.1925, 65.5009,
41.5557

Harmonies

Analogous

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



18.9084, 16.1521, 46.0933



22.6273, 16.1521, 33.3776



24.4095, 16.1521, 19.4231

Triad

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



22.6273, 16.1521, 33.3776



15.9805, 16.1521, 3.4688



9.3784, 16.1521, 28.8813

Complementary

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



22.6273, 16.1521, 33.3776



17.9650, 26.7061, 13.4414

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.



8.8685, 16.1521, 15.8702



22.6273, 16.1521, 33.3776



12.2722, 16.1521, 4.2170

Square

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



22.6273, 16.1521, 33.3776



20.1695, 16.1521, 4.9402



9.8319, 16.1521, 7.7783



11.3702, 16.1521, 42.7994

Rectangle

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



22.6273, 16.1521, 33.3776



24.0675, 16.1521, 12.3438



9.8319, 16.1521, 7.7783



9.0446, 16.1521, 24.1372

Sweetspot

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



22.6278, 16.1528, 33.3779



51.2985, 48.6665, 63.8166



13.8014, 12.0267, 33.0467



11.0988, 10.3468, 13.9825



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



22.6278, 16.1528, 33.3779



38.8974, 25.2659, 59.9534



20.9279, 15.5391, 21.4333



6.8752, 6.7397, 8.3452



15.1775, 7.2533, 26.5073



0.2793, 0.1338, 0.4743

Inverse Universe

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



19.0890, 14.8035, 11.7497



31.6902, 22.5290, 15.4053



19.2194, 27.1744, 21.5601



6.6443, 6.6507, 6.9782



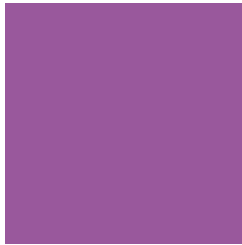
11.3276, 5.8356, 0.7103



0.2056, 0.1056, 0.0289

Previews

White Background



This preview shows how the XYZ color 22.6273, 16.1521, 33.3776 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 22.6273, 16.1521, 33.3776 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 22.6273, 16.1521, 33.3776

Background



This preview shows how black text looks on a background with the XYZ color 22.6273, 16.1521, 33.3776.



This preview shows how white text looks on a background with the XYZ color 22.6273, 16.1521,

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

22.6273, 16.1521, 33.3776

Protanopia

17.3357, 16.3317, 42.2830

Deuteranopia

16.7188, 16.4026, 31.9906



Tritanopia

19.1483, 16.1883, 16.0253

Trichromacy



Original Color

22.6273, 16.1521, 33.3776

Protanomaly

18.4085, 15.7375, 38.6266

Deuteranomaly

18.3457, 15.9935, 32.2571

Tritanomaly

20.1883, 16.0546, 21.4369

Monochromacy



Original Color

22.6273, 16.1521, 33.3776

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

18.1341, 16.3820, 23.3254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6273, 16.1521, 33.3776 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(153, 88, 156)` looks like.

```
.text, #text, p{  
    color:rgb(153, 88, 156)  
}
```

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(153, 88, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 88, 156) }
```

Border

The CSS property to change the border of an element to XYZ 22.6273, 16.1521, 33.3776 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(153, 88, 156) }
```


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

```
.border{ border-color:rgb(153, 88, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 88, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 88, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 88, 156); box-shadow:4px 4px 4px 4px rgb(153, 88, 156) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6273, 16.1521, 33.3776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 88, 156) }
```

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

```
.background{ background-color: rgb(153, 88,  
156) }
```

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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