

Converting Colors

XYZ(20.2305, 12.4535, 26.6374)

Have a look what the booklet for
XYZ(20.2305, 12.4535, 26.6374)
contains.

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Color

**XYZ(20.2406, 12.4363,
26.5329)**

Conversions

Conversions Part 1

Format	Color
Hex	9C3E8D
RGB	156, 62, 141
RGB Percent	61%, 24%, 55%
CMY	0.3882, 0.7568, 0.4471
CMYK	0.00, 0.60, 0.10, 0.39
HSL	310°, 43%, 43%
HSV	310°, 60%, 61%
XYZ	20.2406, 12.4363, 26.5329
YIQ	99.1120, 30.6650, 44.4970

Conversions

Conversions Part 2

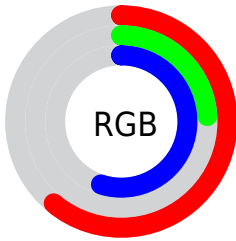
Format	Color
R _Y B	156, 62, 141
Decimal	10239629
CIE Lab	41.90, 49.01, -25.09
CIE LCh	42, 55.058, 332.888
Yxy	12.4363, 0.3418, 0.2100
Android (android.graphics.Color)	4288429709 (0xFF9C3E8D)
YUV	99.1120, 20.6508, 49.8908
Hunter-Lab	35.2651, 40.7370, -19.9232

Details

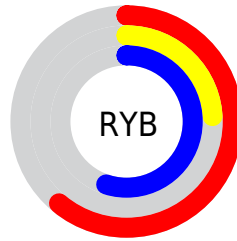
The XYZ color **20.2406, 12.4363, 26.5329** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **15.2152, 25.3372, 11.1108**, and the grayscale version is **11.8327, 12.4489, 13.5569**.

A 20% lighter version of the original color is **43.4216, 30.3477, 55.1989**, and **7.3250, 3.5630, 9.9745** is the 20% darker color. If you saturate the color by 10%, you get **19.3278, 10.9036, 25.3250**, and if you desaturate by 10%, it is **21.4019, 14.4589, 27.8444**.

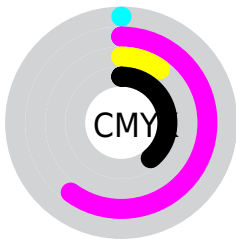
Distribution



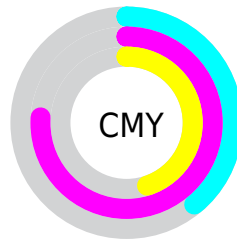
- Red (61%)
- Green (24%)
- Blue (55%)



- Red (61%)
- Yellow (24%)
- Blue (55%)



- Cyan (0%)
- Magenta (60%)
- Yellow (10%)
- Black (39%)



- Cyan (39%)
- Magenta (76%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2406, 12.4363, 26.5329 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 20.2406, 12.4363, 26.5329 by changing the saturation by 10% instead.

20.2406, 12.4363,
26.5329

20.2406, 12.4363,
26.5329

246.0235,
207.2727, 299.0766

12.6793, 7.0415,
16.9934

43.3211, 30.2873,
55.1280

7.2836, 3.4881,
10.0679

59.5710, 43.5123,
75.0207

3.6880, 1.3916,
5.3378

79.4478, 60.1162,
99.2015

1.5272, 0.2105,
2.3846

103.3170, 80.4834,
128.0890

0.3442, 0.0000,
0.7780

131.5437,
104.9982, 162.1017

0.0000, 0.0000,
0.0000

164.4935,

134.0451, 201.6582

202.5316,
168.0085, 247.1770

■ 20.2406, 12.4363,
26.5329

■ 20.2406, 12.4363,
26.5329

■ 19.3278, 10.9036,
25.3250

■ 21.4019, 14.4589,
27.8444

■ 18.6407, 9.8160,
24.2127

■ 22.8295, 17.0075,
29.2652

■ 18.1546, 9.1236,
23.1876

■ 24.5408, 20.1168,
30.8014

■ 17.8142, 8.7095,
22.2523

■ 26.5515, 23.8181,
32.4584

■ 28.8761, 28.1405,
34.2410

■ 31.5282, 33.1109,
36.1540

■ 34.5205, 38.7549,
38.2017

■ 37.8651, 45.0965,
40.3883

■ 41.5735, 52.1586,
42.7178

Harmonies

Analogous

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



16.5974, 12.4363, 42.4133



20.2406, 12.4363, 26.5329



21.4813, 12.4363, 12.4433

Triad

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



20.2406, 12.4363, 26.5329



11.4306, 12.4363, 1.2272



6.3929, 12.4363, 29.7135

Complementary

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



20.2406, 12.4363, 26.5329



15.2152, 25.3372, 11.1108

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.



5.6023, 12.4363, 14.7014



20.2406, 12.4363, 26.5329



8.0610, 12.4363, 2.0953

Square

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



20.2406, 12.4363, 26.5329



15.7560, 12.4363, 1.7865



6.1348, 12.4363, 5.6819



8.6016, 12.4363, 44.8759

Rectangle

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



20.2406, 12.4363, 26.5329



20.5914, 12.4363, 6.5627



6.1348, 12.4363, 5.6819



5.9788, 12.4363, 24.2575

Sweetspot

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



20.2410, 12.4369, 26.5331



48.9811, 44.6612, 59.5497



10.7125, 7.3869, 32.3138



10.5405, 9.3877, 12.9157



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.



20.2410, 12.4369, 26.5331



34.6663, 19.0937, 45.3382



17.4945, 11.3383, 12.0700



6.8587, 6.7364, 8.1068



14.6840, 7.1781, 18.3845



0.2737, 0.1328, 0.3872

Inverse Universe

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



20.2410, 12.4369, 26.5331



34.6663, 19.0937, 45.3382



17.4570, 26.2340, 22.9160



6.8587, 6.7364, 8.1068



14.6840, 7.1781, 18.3845



0.2737, 0.1328, 0.3872

Previews

White Background



This preview shows how the XYZ color 20.2406, 12.4363, 26.5329 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 20.2406, 12.4363, 26.5329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

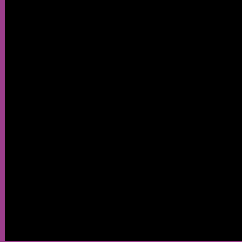
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.2406, 12.4363, 26.5329

Background



This preview shows how black text looks on a background with the XYZ color 20.2406, 12.4363, 26.5329.



This preview shows how white text looks on a background with the XYZ color 20.2406, 12.4363,

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

20.2406, 12.4363, 26.5329

Protanopia

14.0093, 12.7186, 40.2446

Deuteranopia

12.8607, 12.6085, 24.6775



Tritanopia

16.7929, 12.4163, 9.6951

Trichromacy



Original Color

20.2406, 12.4363, 26.5329

Protanomaly

14.7710, 11.5880, 34.7159

Deuteranomaly

14.5739, 11.8139, 25.1791

Tritanomaly

17.7650, 12.3096, 14.5364

Monochromacy



Original Color

20.2406, 12.4363, 26.5329

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

14.1108, 11.8636, 17.4658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2406, 12.4363, 26.5329 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(156, 62, 141)` looks like.

```
.text, #text, p{  
    color:rgb(156, 62, 141)  
}
```

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(156, 62, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 62, 141) }
```

Border

The CSS property to change the border of an element to XYZ 20.2406, 12.4363, 26.5329 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(156, 62, 141) }
```


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

```
.border{ border-color:rgb(156, 62, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 62, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 62, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 62, 141);  
box-shadow:4px 4px 4px 4px rgb(156, 62,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2406, 12.4363, 26.5329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 62, 141) }
```

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

```
.background{ background-color: rgb(156, 62,  
141) }
```

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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