

Converting Colors

XYZ(21.5271, 12.9588, 26.9553)

Have a look what the booklet for
XYZ(21.5271, 12.9588, 26.9553)
contains.

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Color

**XYZ(21.6026, 12.9712,
26.9563)**

Conversions

Conversions Part 1

Format	Color
Hex	A33C8E
RGB	163, 60, 142
RGB Percent	64%, 24%, 56%
CMY	0.3608, 0.7647, 0.4431
CMYK	0.00, 0.63, 0.13, 0.36
HSL	312°, 46%, 44%
HSV	312°, 63%, 64%
XYZ	21.6026, 12.9712, 26.9563
YIQ	100.1450, 35.0660, 47.3380

Conversions

Conversions Part 2

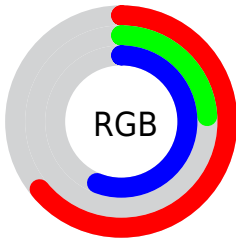
Format	Color
R_{YB}	163, 60, 142
Decimal	10697870
CIE _{Lab}	42.72, 52.03, -24.34
CIE _{LCh}	43, 57.445, 334.929
Yxy	12.9712, 0.3511, 0.2108
Android (android.graphics.Color)	4288887950 (0xFFA33C8E)
YUV	100.1450, 20.6345, 55.1238
Hunter-Lab	36.0156, 44.0394, -19.1655

Details

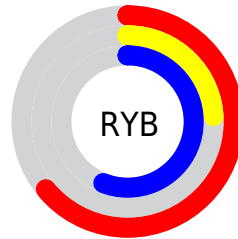
The XYZ color **21.6026, 12.9712, 26.9563** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **16.4465, 27.7496, 12.2750**, and the grayscale version is **12.0933, 12.7231, 13.8555**.

A 20% lighter version of the original color is **45.4963, 31.2358, 55.8557**, and **8.0727, 3.9435, 10.2332** is the 20% darker color. If you saturate the color by 10%, you get **20.6308, 11.4207, 25.4196**, and if you desaturate by 10%, it is **22.8458, 15.0519, 28.6204**.

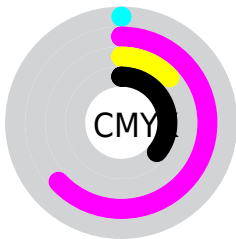
Distribution



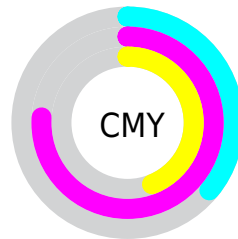
- Red (64%)
- Green (24%)
- Blue (56%)



- Red (64%)
- Yellow (24%)
- Blue (56%)



- Cyan (0%)
- Magenta (63%)
- Yellow (13%)
- Black (36%)



- Cyan (36%)
- Magenta (76%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6026, 12.9712, 26.9563 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 21.6026, 12.9712, 26.9563 by changing the saturation by 10% instead.

■ 21.6026, 12.9712,
26.9563

■ 21.6026, 12.9712,
26.9563

253.1354,
210.7330, 301.1989

■ 13.6802, 7.4087,
17.3083

■ 45.5721, 31.2520,
55.8166

■ 7.9788, 3.7190,
10.2902

■ 62.3498, 44.7392,
75.8660

■ 4.1330, 1.5176,
5.4837

■ 82.8100, 61.6367,
100.2195

■ 1.7777, 0.3011,
2.4701

■ 107.3180, 82.3289,
129.2958

■ 0.5042, 0.0000,
0.8243

■ 136.2392,
107.2002, 163.5133

■ 0.0000, 0.0000,
0.0000

169.9389,

136.6351, 203.2907

208.7826,
171.0179, 249.0464

■ 21.6026, 12.9712,
26.9563

■ 21.6026, 12.9712,
26.9563

■ 20.6308, 11.4207,
25.4196

■ 22.8458, 15.0519,
28.6204

■ 19.9038, 10.3484,
24.0007

■ 24.3809, 17.7048,
30.4188

■ 19.3922, 9.6951,
22.6898

■ 26.2280, 20.9697,
32.3585

■ 19.1180, 9.3920,
21.8420

■ 28.4052, 24.8823,
34.4458

■ 30.9288, 29.4756,
36.6866

■ 33.8144, 34.7805,
39.0862

■ 37.0765, 40.8257,
41.6499

■ 40.7286, 47.6385,
44.3824

■ 44.7839, 55.2448,
47.2883

Harmonies

Analogous

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



17.7868, 12.9712, 44.4249



21.6026, 12.9712, 26.9563



22.7259, 12.9712, 12.1568

Triad

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



21.6026, 12.9712, 26.9563



11.6214, 12.9712, 1.1601



6.6476, 12.9712, 32.8447

Complementary

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



21.6026, 12.9712, 26.9563



16.4465, 27.7496, 12.2750

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.



5.7139, 12.9712, 16.2915



21.6026, 12.9712, 26.9563



8.1199, 12.9712, 2.1604

Square

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



21.6026, 12.9712, 26.9563



16.2389, 12.9712, 1.6218



6.1812, 12.9712, 6.1893



9.1028, 12.9712, 49.0087

Rectangle

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



21.6026, 12.9712, 26.9563



21.6154, 12.9712, 6.2204



6.1812, 12.9712, 6.1893



6.1756, 12.9712, 26.8734

Sweetspot

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



21.6030, 12.9718, 26.9566



52.5294, 47.5694, 63.1951



11.5865, 7.6085, 35.5086



11.5302, 10.1981, 13.9512



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.



21.6030, 12.9718, 26.9566



36.3473, 19.5437, 44.4264



18.6047, 11.7725, 11.1675



7.3022, 7.1773, 8.5776



14.8746, 7.3059, 17.0621



0.3274, 0.1594, 0.4365

Inverse Universe

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



21.6030, 12.9718, 26.9566



36.3473, 19.5437, 44.4264



19.1329, 28.8242, 26.4216



7.3022, 7.1773, 8.5776



14.8746, 7.3059, 17.0621



0.3274, 0.1594, 0.4365

Previews

White Background



This preview shows how the XYZ color 21.6026, 12.9712, 26.9563 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 21.6026, 12.9712, 26.9563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

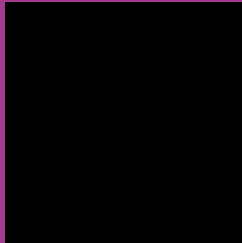
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.6026, 12.9712, 26.9563

Background



This preview shows how black text looks on a background with the XYZ color 21.6026, 12.9712, 26.9563.



This preview shows how white text looks on a background with the XYZ color 21.6026, 12.9712,

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

21.6026, 12.9712, 26.9563

Protanopia

14.6539, 13.2840, 42.3492

Deuteranopia

13.5153, 13.2191, 25.1318



Tritanopia

18.0121, 12.9462, 9.5322

Trichromacy



Original Color

21.6026, 12.9712, 26.9563



Protanomaly

15.4529, 12.0249, 36.1569



Deuteranomaly

15.3072, 12.1835, 25.5896



Tritanomaly

18.9869, 12.7507, 14.5571

Monochromacy



Original Color

21.6026, 12.9712, 26.9563



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

14.5114, 11.9458, 17.7606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6026, 12.9712, 26.9563 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, 60, 142)` looks like.

```
.text, #text, p{  
    color:rgb(163, 60, 142)  
}
```

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, 60, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 60, 142) }
```

Border

The CSS property to change the border of an element to XYZ 21.6026, 12.9712, 26.9563 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, 60, 142) }
```


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

```
.border{ border-color:rgb(163, 60, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 60, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 60, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 60, 142);  
box-shadow:4px 4px 4px 4px rgb(163, 60,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6026, 12.9712, 26.9563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 60, 142) }
```

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

```
.background{ background-color: rgb(163, 60,  
142) }
```

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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