

Converting Colors

XYZ(21.2427, 12.5000, 26.1226)

Have a look what the booklet for
XYZ(21.2427, 12.5000, 26.1226)
contains.

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Color

**XYZ(21.2521, 12.5083,
26.1052)**

Conversions

Conversions Part 1

Format	Color
Hex	A3388C
RGB	163, 56, 140
RGB Percent	64%, 22%, 55%
CMY	0.3608, 0.7804, 0.4510
CMYK	0.00, 0.66, 0.14, 0.36
HSL	313°, 49%, 43%
HSV	313°, 66%, 64%
XYZ	21.2521, 12.5083, 26.1052
YIQ	97.5690, 36.8080, 48.8080

Conversions

Conversions Part 2

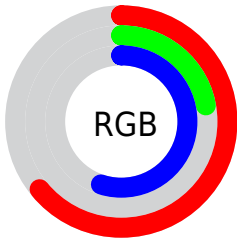
Format	Color
R_{YB}	163, 56, 140
Decimal	10696844
CIE _{Lab}	42.01, 53.42, -24.22
CIE _{LCh}	42, 58.657, 335.607
Yxy	12.5083, 0.3550, 0.2089
Android (android.graphics.Color)	4288886924 (0xFFA3388C)
YUV	97.5690, 20.9185, 57.3830
Hunter-Lab	35.3671, 45.3684, -19.0063

Details

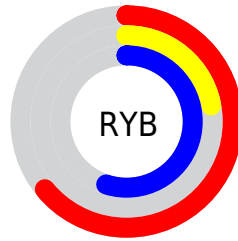
The XYZ color **21.2521, 12.5083, 26.1052** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **16.1400, 27.6002, 11.8749**, and the grayscale version is **11.4466, 12.0427, 13.1145**.

A 20% lighter version of the original color is **44.8287, 30.2625, 54.5175**, and **8.0298, 3.9263, 10.0075** is the 20% darker color. If you saturate the color by 10%, you get **20.3326, 11.0761, 24.5442**, and if you desaturate by 10%, it is **22.4378, 14.4594, 27.7957**.

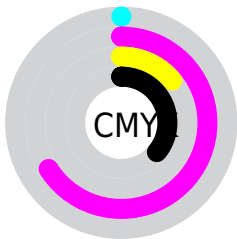
Distribution



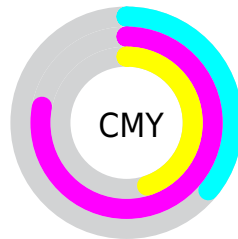
- Red (64%)
- Green (22%)
- Blue (55%)



- Red (64%)
- Yellow (22%)
- Blue (55%)



- Cyan (0%)
- Magenta (66%)
- Yellow (14%)
- Black (36%)



- Cyan (36%)
- Magenta (78%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2521, 12.5083, 26.1052 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 21.2521, 12.5083, 26.1052 by changing the saturation by 10% instead.

21.2521, 12.5083,
26.1052

21.2521, 12.5083,
26.1052

251.3217,
207.7419, 296.9200

13.4219, 7.0908,
16.6759

44.9948, 30.4175,
54.4308

7.7987, 3.5190,
9.8442

61.6381, 43.6781,
74.1641

4.0171, 1.4083,
5.1915

81.9498, 60.3219,
98.1692

1.7118, 0.2228,
2.2994

106.2952, 80.7332,
126.8646

0.4637, 0.0000,
0.7309

135.0398,
105.2965, 160.6689

0.0000, 0.0000,
0.0000

168.5488,

134.3961, 200.0005

207.1876,
168.4164, 245.2780

■ 21.2521, 12.5083,
26.1052

■ 21.2521, 12.5083,
26.1052

■ 20.3326, 11.0761,
24.5442

■ 22.4378, 14.4594,
27.7957

■ 19.6521, 10.1089,
23.1030

■ 23.9112, 16.9727,
29.6230

■ 19.1766, 9.5389,
21.7700

■ 25.6928, 20.0890,
31.5944

■ 18.9982, 9.3441,
21.2110

■ 27.8009, 23.8449,
33.7162

■ 30.2524, 28.2741,
35.9946

■ 33.0631, 33.4077,
38.4351

■ 36.2476, 39.2751,
41.0430

■ 39.8198, 45.9039,
43.8231

■ 43.7929, 53.3204,
46.7803

Harmonies

Analogous

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



17.4555, 12.5083, 43.8648



21.2521, 12.5083, 26.1052



22.3102, 12.5083, 11.4099

Triad

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



21.2521, 12.5083, 26.1052



11.0899, 12.5083, 0.9831



6.3014, 12.5083, 32.8753

Complementary

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



21.2521, 12.5083, 26.1052



16.1400, 27.6002, 11.8749

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.



5.3549, 12.5083, 16.0972



21.2521, 12.5083, 26.1052



7.6526, 12.5083, 1.9507

Square

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



21.2521, 12.5083, 26.1052



15.6896, 12.5083, 1.3774



5.7811, 12.5083, 5.9270



8.7574, 12.5083, 49.1712

Rectangle

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



21.2521, 12.5083, 26.1052



21.1419, 12.5083, 5.6666



5.7811, 12.5083, 5.9270



5.8275, 12.5083, 26.8217

Sweetspot

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



21.2525, 12.5089, 26.1054



52.0241, 46.7306, 62.4974



11.1186, 7.0678, 35.4290



11.4246, 10.0268, 13.7932



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.



21.2525, 12.5089, 26.1054



35.7755, 18.9029, 42.6855



18.2846, 11.3217, 10.4767



7.2988, 7.1760, 8.5600



14.7821, 7.2689, 16.5748



0.3260, 0.1589, 0.4294

Inverse Universe

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



21.2525, 12.5089, 26.1054



35.7755, 18.9029, 42.6855



18.8186, 28.6717, 25.9803



7.2988, 7.1760, 8.5600



14.7821, 7.2689, 16.5748



0.3260, 0.1589, 0.4294

Previews

White Background



This preview shows how the XYZ color 21.2521, 12.5083, 26.1052 looks on a white background.

Color Contrast Check

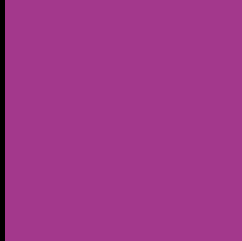
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2521, 12.5083, 26.1052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

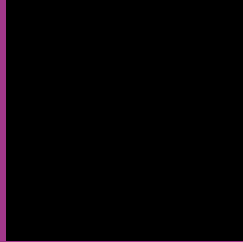
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.2521, 12.5083, 26.1052

Background



This preview shows how black text looks on a background with the XYZ color 21.2521, 12.5083, 26.1052.



This preview shows how white text looks on a background with the XYZ color 21.2521, 12.5083,

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

21.2521, 12.5083, 26.1052

Protanopia

14.0946, 12.7292, 41.7585

Deuteranopia

12.9157, 12.6530, 23.9518



Tritanopia

17.6623, 12.4832, 8.6863

Trichromacy



Original Color

21.2521, 12.5083, 26.1052

Protanomaly

14.9057, 11.4099, 35.5991

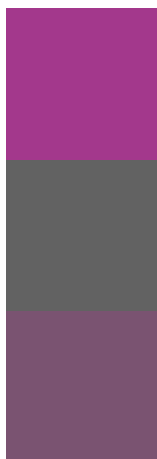
Deuteranomaly

14.8733, 11.7460, 24.7758

Tritanomaly

18.6542, 12.3248, 13.7077

Monochromacy



Original Color

21.2521, 12.5083, 26.1052

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

14.0999, 11.5163, 17.1025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2521, 12.5083, 26.1052 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, 56, 140)` looks like.

```
.text, #text, p{  
    color:rgb(163, 56, 140)  
}
```

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, 56, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 56, 140) }
```

Border

The CSS property to change the border of an element to XYZ 21.2521, 12.5083, 26.1052 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, 56, 140) }
```


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

```
.border{ border-color:rgb(163, 56, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 56, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 56, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 56, 140);  
box-shadow:4px 4px 4px 4px rgb(163, 56,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2521, 12.5083, 26.1052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 56, 140) }
```

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

```
.background{ background-color: rgb(163, 56,  
140) }
```

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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