

Converting Colors

XYZ(21.1621, 10.2854, 32.8571)

Have a look what the booklet for
XYZ(21.1621, 10.2854, 32.8571)
contains.

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Color

**XYZ(21.2443, 10.3294,
32.7724)**

Conversions

Conversions Part 1

Format	Color
Hex	A3059D
RGB	163, 5, 157
RGB Percent	64%, 2%, 62%
CMY	0.3608, 0.9803, 0.3843
CMYK	0.00, 0.97, 0.04, 0.36
HSL	302°, 94%, 33%
HSV	302°, 97%, 64%
XYZ	21.2443, 10.3294, 32.7724
YIQ	69.5700, 45.3760, 80.7680

Conversions

Conversions Part 2

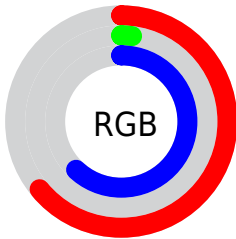
Format	Color
RYB	163, 5, 157
Decimal	10683805
CIELab	38.43, 68.84, -40.19
CIELCh	38, 79.714, 329.720
Yxy	10.3294, 0.3302, 0.1605
Android (android.graphics.Color)	4288873885 (0xFFA3059D)
YUV	69.5700, 43.1030, 81.9381
Hunter-Lab	32.1394, 61.7455, -37.9602

Details

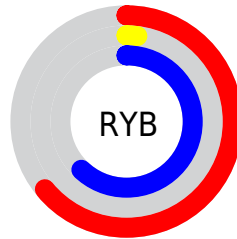
The XYZ color **21.2443, 10.3294, 32.7724** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **13.2207, 26.2512, 4.6874**, and the grayscale version is **5.6781, 5.9738, 6.5054**.

A 20% lighter version of the original color is **45.1011, 26.4696, 65.0194**, and **8.4937, 4.0841, 13.7052** is the 20% darker color. If you saturate the color by 10%, you get **21.1740, 10.2144, 32.6688**, and if you desaturate by 10%, it is **21.5173, 10.7903, 33.1249**.

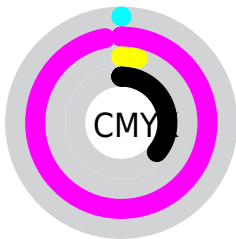
Distribution



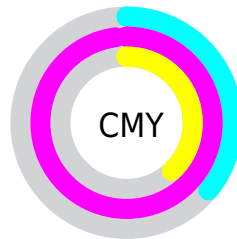
- Red (64%)
- Green (2%)
- Blue (62%)



- Red (64%)
- Yellow (2%)
- Blue (62%)



- Cyan (0%)
- Magenta (97%)
- Yellow (4%)
- Black (36%)





- Cyan (36%)
- Magenta (98%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.2443, 10.3294, 32.7724 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 21.2443, 10.3294, 32.7724 by changing the saturation by 10% instead.


 21.2443, 10.3294,
32.7724


 21.2443, 10.3294,
32.7724


251.2812,
193.0072, 329.2234


 13.4162, 5.6179,
21.6825


 44.9820, 26.4133,
65.1319


 7.7947, 2.6142,
13.4277


 61.6222, 38.5544,
87.2386


 4.0146, 0.9338,
7.5895


 81.9306, 53.9409,
113.8546

 1.7104, 0.0000,
3.7495

 106.2724, 72.9571,
145.3985

 0.4628, 0.0000,
1.4889

 135.0130, 95.9874,
182.2888

 0.0000, 0.0000,
0.2097

 168.5178,

 0.0000, 0.0000,

123.4163, 224.9440

0.0000

207.1520,
155.6281, 273.7827

■ 21.2443, 10.3294,
32.7724

■ 21.2443, 10.3294,
32.7724

■ 21.1740, 10.2144,
32.6688

■ 21.5173, 10.7903,
33.1249

■ 21.9775, 11.6254,
33.5411

■ 22.6655, 12.9157,
34.0345

■ 23.6078, 14.7142,
34.6141

■ 24.8274, 17.0668,
35.2874

■ 26.3446, 20.0144,
36.0612

■ 28.1780, 23.5937,
36.9418

■ 30.3445, 27.8388,
37.9347

■ 32.8598, 32.7812,
39.0452

Harmonies

Analogous

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



15.6621, 10.3294, 59.0167



21.2443, 10.3294, 32.7724



23.6110, 10.3294, 11.3874

Triad

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



21.2443, 10.3294, 32.7724



9.8667, 10.3294, 0.0000



3.4389, 10.3294, 32.2807

Complementary

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



21.2443, 10.3294, 32.7724



13.2207, 26.2512, 4.6874

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.



2.8254, 10.3294, 11.1077



21.2443, 10.3294, 32.7724



5.6451, 10.3294, 0.0000

Square

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



21.2443, 10.3294, 32.7724



15.7778, 10.3294, 0.0000



3.4632, 10.3294, 2.1014



5.5868, 10.3294, 58.5954

Rectangle

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



21.2443, 10.3294, 32.7724



22.5733, 10.3294, 4.0829



3.4632, 10.3294, 2.1014



3.0890, 10.3294, 23.9553

Sweetspot

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



21.2447, 10.3299, 32.7726



49.5484, 40.4638, 65.7275



6.7941, 2.8197, 34.8368



10.8263, 8.4982, 14.6173



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.



21.2447, 10.3299, 32.7726



37.9031, 18.2861, 58.4145



16.5608, 8.4563, 8.1077



7.3527, 7.1975, 8.8435



16.4599, 7.9400, 25.4101



0.3492, 0.1682, 0.5515

Inverse Universe

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



21.2447, 10.3299, 32.7726



37.9031, 18.2861, 58.4145



14.9749, 26.9529, 13.9252



7.3527, 7.1975, 8.8435



16.4599, 7.9400, 25.4101



0.3492, 0.1682, 0.5515

Previews

White Background



This preview shows how the XYZ color 21.2443, 10.3294, 32.7724 looks on a white background.

Color Contrast Check

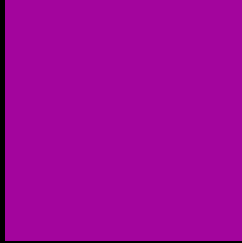
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2443, 10.3294, 32.7724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

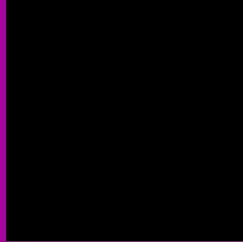
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.2443, 10.3294, 32.7724

Background



This preview shows how black text looks on a background with the XYZ color 21.2443, 10.3294, 32.7724.



This preview shows how white text looks on a background with the XYZ color 21.2443, 10.3294,

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

21.2443, 10.3294, 32.7724

Protanopia

12.7577, 10.8189, 49.5600

Deuteranopia

11.2463, 10.9910, 29.5457



Tritanopia

16.0324, 10.7086, 6.3762

Trichromacy



Original Color

21.2443, 10.3294, 32.7724



Protanomaly

11.2525, 7.1302, 42.3782



Deuteranomaly

12.4002, 8.2245, 30.2121



Tritanomaly

16.9497, 9.6548, 12.7746

Monochromacy



Original Color

21.2443, 10.3294, 32.7724



Achromatopsia

5.8214, 6.1246, 6.6697



Achromatomaly

9.0842, 5.8564, 13.2220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2443, 10.3294, 32.7724 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, 5, 157)` looks like.

```
.text, #text, p{  
    color:rgb(163, 5, 157)  
}
```

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, 5, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 5, 157) }
```

Border

The CSS property to change the border of an element to XYZ 21.2443, 10.3294, 32.7724 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, 5, 157) }
```


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

```
.border{ border-color:rgb(163, 5, 157) }
```

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

Here you see how a box with a 4 pixel rgb(163, 5, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 5, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 5, 157);  
box-shadow:4px 4px 4px 4px rgb(163, 5,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2443, 10.3294, 32.7724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 5, 157) }
```

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

```
.background{ background-color: rgb(163, 5,  
157) }
```

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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