

Converting Colors

XYZ(21.3301, 13.7329, 20.0691)

Have a look what the booklet for
XYZ(21.3301, 13.7329, 20.0691)
contains.

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Color

**XYZ(21.3669, 13.7684,
19.9438)**

Conversions

Conversions Part 1

Format	Color
Hex	A6457A
RGB	166, 69, 122
RGB Percent	65%, 27%, 48%
CMY	0.3490, 0.7294, 0.5216
CMYK	0.00, 0.58, 0.27, 0.35
HSL	327°, 41%, 46%
HSV	327°, 58%, 65%
XYZ	21.3669, 13.7684, 19.9438
YIQ	104.0450, 40.7990, 37.0470

Conversions

Conversions Part 2

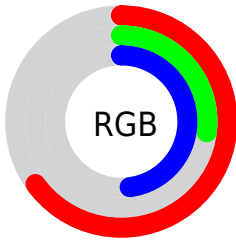
Format	Color
R_{YB}	166, 69, 122
Decimal	10896762
CIE _{Lab}	43.90, 45.84, -10.31
CIE _{LCh}	44, 46.981, 347.325
Yxy	13.7684, 0.3879, 0.2500
Android (android.graphics.Color)	4289086842 (0xFFA6457A)
YUV	104.0450, 8.8518, 54.3345
Hunter-Lab	37.1058, 37.8518, -5.8934

Details

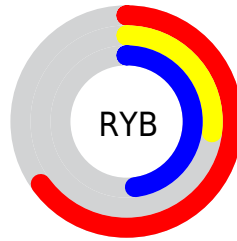
The XYZ color **21.3669, 13.7684, 19.9438** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **19.0718, 29.7304, 20.3577**, and the grayscale version is **13.1401, 13.8244, 15.0548**.

A 20% lighter version of the original color is **45.0309, 32.6630, 43.9756**, and **7.8667, 4.0776, 6.6758** is the 20% darker color. If you saturate the color by 10%, you get **20.0362, 11.8250, 17.2867**, and if you desaturate by 10%, it is **23.0202, 16.2989, 22.8871**.

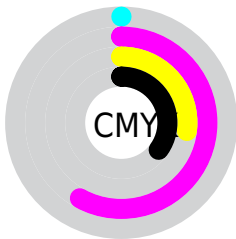
Distribution



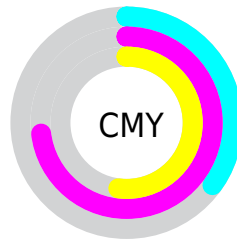
- Red (65%)
- Green (27%)
- Blue (48%)



- Red (65%)
- Yellow (27%)
- Blue (48%)



- Cyan (0%)
- Magenta (58%)
- Yellow (27%)
- Black (35%)



- Cyan (35%)
- Magenta (73%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3669, 13.7684, 19.9438 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 21.3669, 13.7684, 19.9438 by changing the saturation by 10% instead.

■ 21.3669, 13.7684,
19.9438

■ 21.3669, 13.7684,
19.9438

251.9170,
215.7852, 264.2049

■ 13.5064, 7.9598,
12.1705

■ 45.1841, 32.6775,
44.1807

■ 7.8576, 4.0692,
6.7360

■ 61.8715, 46.5468,
61.4814

■ 4.0550, 1.7124,
3.2216

■ 82.2319, 63.8717,
82.7949

■ 1.7333, 0.4316,
1.2089

■ 106.6307, 85.0367,
108.5399

■ 0.4770, 0.0000,
0.0000

■ 135.4333,
110.4262, 139.1348

■ 0.0000, 0.0000,
0.0000

169.0049,

140.4245, 174.9983

207.7110,
175.4160, 216.5488

■ 21.3669, 13.7684,
19.9438

■ 21.3669, 13.7684,
19.9438

■ 20.0362, 11.8250,
17.2867

■ 23.0202, 16.2989,
22.8871

■ 19.0017, 10.4173,
14.9026

■ 25.0173, 19.4581,
26.1271

■ 18.2341, 9.4885,
12.7778

■ 27.3790, 23.2862,
29.6748

■ 17.6808, 8.9342,
10.8902

■ 30.1241, 27.8193,
33.5400

■ 17.6013, 8.8572,
10.6112

■ 33.2699, 33.0912,
37.7320

■ 36.8326, 39.1332,
42.2598

■ 40.8276, 45.9749,
47.1317

■ 45.2695, 53.6444,
52.3561

■ 50.1722, 62.1683,
57.9406

Harmonies

Analogous

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



19.0728, 13.7684, 33.5759



21.3669, 13.7684, 19.9438



21.1596, 13.7684, 9.6869

Triad

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



21.3669, 13.7684, 19.9438



11.0723, 13.7684, 2.7142



8.8167, 13.7684, 35.6255

Complementary

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



21.3669, 13.7684, 19.9438



19.0718, 29.7304, 20.3577

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.



7.3827, 13.7684, 21.9468



21.3669, 13.7684, 19.9438



8.5055, 13.7684, 4.9600

Square

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



21.3669, 13.7684, 19.9438



14.7174, 13.7684, 2.5790



7.2808, 13.7684, 10.9353



11.5807, 13.7684, 45.1227

Rectangle

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



21.3669, 13.7684, 19.9438



19.6291, 13.7684, 5.6932



7.2808, 13.7684, 10.9353



8.1879, 13.7684, 31.1333

Sweetspot

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



21.3673, 13.7691, 19.9441



54.7235, 50.5748, 60.9419



15.7769, 10.4978, 37.2713



11.9152, 10.7681, 13.1816



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.3673, 13.7691, 19.9441



35.7719, 20.6326, 30.0821



19.0856, 12.8564, 7.9286



7.6961, 7.6083, 8.7169



13.6727, 6.8778, 8.3538



0.3580, 0.1775, 0.3364

Inverse Universe

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



21.3673, 13.7691, 19.9441



35.7719, 20.6326, 30.0821



22.5372, 31.1165, 38.6062



7.6961, 7.6083, 8.7169



13.6727, 6.8778, 8.3538



0.3580, 0.1775, 0.3364

Previews

White Background



This preview shows how the XYZ color 21.3669, 13.7684, 19.9438 looks on a white background.

Color Contrast Check

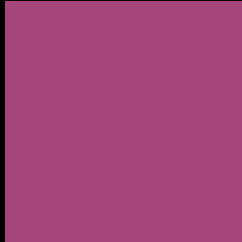
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3669, 13.7684, 19.9438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

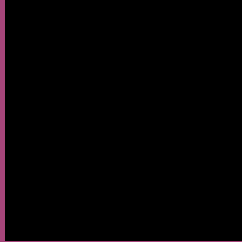
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.3669, 13.7684, 19.9438

Background



This preview shows how black text looks on a background with the XYZ color 21.3669, 13.7684, 19.9438.



This preview shows how white text looks on a background with the XYZ color 21.3669, 13.7684,

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

21.3669, 13.7684, 19.9438

Protanopia

14.3529, 14.0000, 29.1399

Deuteranopia

14.2689, 14.0383, 18.7872



Tritanopia

19.3900, 13.8598, 9.8369

Trichromacy



Original Color

21.3669, 13.7684, 19.9438

Protanomaly

15.7277, 13.1399, 25.3742

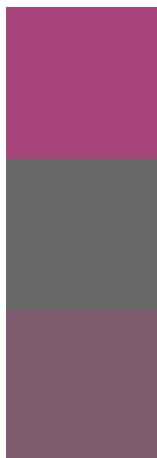
Deuteranomaly

16.1919, 13.3901, 19.1839

Tritanomaly

19.9836, 13.7877, 12.9173

Monochromacy



Original Color

21.3669, 13.7684, 19.9438

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

15.3627, 13.1419, 16.7659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3669, 13.7684, 19.9438 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(166, 69, 122)` looks like.

```
.text, #text, p{  
    color:rgb(166, 69, 122)  
}
```

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(166, 69, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 69, 122) }
```

Border

The CSS property to change the border of an element to XYZ 21.3669, 13.7684, 19.9438 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(166, 69, 122) }
```


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

```
.border{ border-color:rgb(166, 69, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 69, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 69, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 69, 122);  
box-shadow:4px 4px 4px 4px rgb(166, 69,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3669, 13.7684, 19.9438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 69, 122) }
```

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

```
.background{ background-color: rgb(166, 69,  
122) }
```

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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