

Converting Colors

XYZ(20.5178, 14.2834, 30.8519)

Have a look what the booklet for
XYZ(20.5178, 14.2834, 30.8519)
contains.

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Color

**XYZ(20.5610, 14.3223,
30.9589)**

Conversions

Conversions Part 1

Format	Color
Hex	935197
RGB	147, 81, 151
RGB Percent	58%, 32%, 59%
CMY	0.4235, 0.6823, 0.4078
CMYK	0.03, 0.46, 0.00, 0.41
HSL	297°, 30%, 45%
HSV	297°, 46%, 59%
XYZ	20.5610, 14.3223, 30.9589
YIQ	108.7140, 16.8660, 35.7620

Conversions

Conversions Part 2

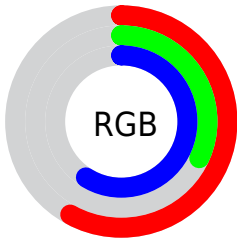
Format	Color
R_{YB}	147, 81, 151
Decimal	9654679
CIE _{Lab}	44.69, 38.55, -26.87
CIE _{LCh}	45, 46.991, 325.118
Yxy	14.3223, 0.3123, 0.2175
Android (android.graphics.Color)	4287844759 (0xFF935197)
YUV	108.7140, 20.8470, 33.5768
Hunter-Lab	37.8448, 30.7502, -22.0107

Details

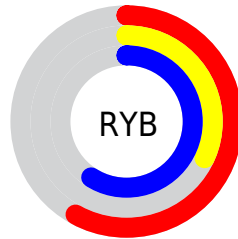
The XYZ color **20.5610, 14.3223, 30.9589** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **16.2986, 24.6589, 11.6859**, and the grayscale version is **14.3950, 15.1446, 16.4925**.

A 20% lighter version of the original color is **43.6278, 33.4669, 61.9179**, and **7.4063, 4.2798, 12.4923** is the 20% darker color. If you saturate the color by 10%, you get **19.4072, 12.2432, 30.6186**, and if you desaturate by 10%, it is **21.9664, 16.9023, 31.3830**.

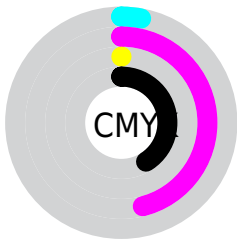
Distribution



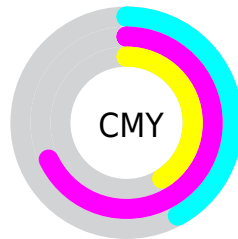
- Red (58%)
- Green (32%)
- Blue (59%)



- Red (58%)
- Yellow (32%)
- Blue (59%)



- Cyan (3%)
- Magenta (46%)
- Yellow (0%)
- Black (41%)



- Cyan (42%)
- Magenta (68%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5610, 14.3223, 30.9589 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 20.5610, 14.3223, 30.9589 by changing the saturation by 10% instead.

■ 20.5610, 14.3223,
30.9589

■ 20.5610, 14.3223,
30.9589

247.7123,
219.2268, 320.6943

■ 12.9141, 8.3452,
20.3094

■ 43.8526, 33.6598,
62.2542

■ 7.4460, 4.3166,
12.4338

■ 60.2280, 47.7890,
83.7370

■ 3.7914, 1.8522,
6.9137

■ 80.2436, 65.4043,
109.6680

■ 1.5848, 0.5194,
3.3306

■ 104.2647, 86.8902,
140.4656

■ 0.3825, 0.0000,
1.2658

■ 132.6568,
112.6309, 176.5486

■ 0.0000, 0.0000,
0.0335

165.7852,

■ 0.0000, 0.0000,

143.0110, 218.3353

0.0000

204.0153,
178.4148, 266.2443

■ 20.5610, 14.3223,
30.9589

■ 20.5610, 14.3223,
30.9589

■ 19.4072, 12.2432,
30.6186

■ 21.9664, 16.9023,
31.3830

■ 18.4869, 10.6297,
30.3557

■ 23.6372, 20.0116,
31.8951

■ 17.7818, 9.4448,
30.1641

■ 25.5879, 23.6790,
32.5002

■ 17.2701, 8.6451,
30.0368

■ 27.8315, 27.9304,
33.2025

■ 16.9194, 8.1657,
29.9627

■ 30.3801, 32.7902,
34.0062

■ 16.8055, 8.0182,
29.9402

■ 33.2453, 38.2814,
34.9151

■ 36.4380, 44.4257,
35.9328

■ 39.9684, 51.2439,
37.0628

■ 43.8466, 58.7559,
38.3084

Harmonies

Analogous

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



16.9704, 14.3223, 43.3995



20.5610, 14.3223, 30.9589



22.3083, 14.3223, 17.4515

Triad

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



20.5610, 14.3223, 30.9589



14.2467, 14.3223, 2.6310



7.9926, 14.3223, 26.3207

Complementary

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



20.5610, 14.3223, 30.9589



16.2986, 24.6589, 11.6859

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.



7.5339, 14.3223, 13.8742



20.5610, 14.3223, 30.9589



10.7304, 14.3223, 3.2585

Square

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



20.5610, 14.3223, 30.9589



18.2538, 14.3223, 3.9294



8.4383, 14.3223, 6.4013



9.8339, 14.3223, 39.9576

Rectangle

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



20.5610, 14.3223, 30.9589



21.9938, 14.3223, 10.7318



8.4383, 14.3223, 6.4013



7.6881, 14.3223, 21.7409

Sweetspot

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



20.5615, 14.3229, 30.9592



46.6146, 43.8985, 58.4501



12.2811, 10.5869, 30.6745



10.4216, 9.6501, 13.2309



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



20.5615, 14.3229, 30.9592



34.6152, 21.6761, 54.7931



19.1361, 13.8371, 19.6450



6.4264, 6.3057, 7.8074



14.3049, 6.8255, 25.4712



0.2230, 0.1067, 0.3812

Inverse Universe

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



17.3451, 13.1207, 10.2132



28.1769, 19.2860, 12.5183



17.3481, 25.0379, 19.0544



6.2224, 6.2281, 6.5512



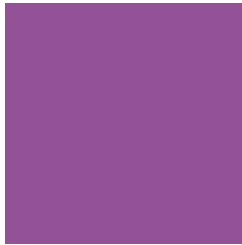
10.9013, 5.6148, 0.7393



0.1663, 0.0853, 0.0286

Previews

White Background



This preview shows how the XYZ color 20.5610, 14.3223, 30.9589 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 20.5610, 14.3223, 30.9589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

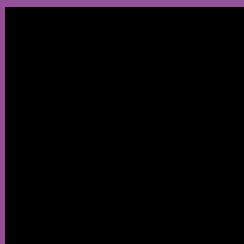
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.5610, 14.3223, 30.9589

Background



This preview shows how black text looks on a background with the XYZ color 20.5610, 14.3223, 30.9589.



This preview shows how white text looks on a background with the XYZ color 20.5610, 14.3223,

30.9589.

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

20.5610, 14.3223, 30.9589

Protanopia

15.5994, 14.5522, 40.0169

Deuteranopia

14.8322, 14.5369, 29.6279



Tritanopia

17.0298, 14.3243, 13.9239

Trichromacy



Original Color

20.5610, 14.3223, 30.9589

Protanomaly

16.6194, 14.0133, 36.4792

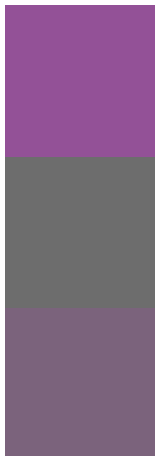
Deuteranomaly

16.3382, 14.0146, 29.8609

Tritanomaly

18.2298, 14.3163, 19.2553

Monochromacy



Original Color

20.5610, 14.3223, 30.9589

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

16.2683, 14.5899, 21.0275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5610, 14.3223, 30.9589 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(147, 81, 151)` looks like.

```
.text, #text, p{  
    color:rgb(147, 81, 151)  
}
```

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(147, 81, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 81, 151) }
```

Border

The CSS property to change the border of an element to XYZ 20.5610, 14.3223, 30.9589 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(147, 81, 151) }
```


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

```
.border{ border-color:rgb(147, 81, 151) }
```

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

Here you see how a box with a 4 pixel rgb(147, 81, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 81, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 81, 151);  
box-shadow:4px 4px 4px 4px rgb(147, 81,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5610, 14.3223, 30.9589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 81, 151) }
```

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

```
.background{ background-color: rgb(147, 81,  
151) }
```

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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